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Gulf of Mexico SBU.
Union Oil Company of California
Subsidiary of Chevron Corporation
100 Northpark Blvd
Covington, La. 70433

Jim Floyd GGOM HES Water Team Lead (985) 773-6628

Federal Express # 7975-7419-3590

January 20, 2014

Director Water Protection Division U. S. Environmental Protection Agency Region 4 61 Forsythe Street, S.W. Atlanta, Georgia 30303-3104

#### GENERAL PERMIT GEG460000 QUARTERLY DISCHARGE MONITORING REPORTS October 1, 2013 - December 31, 2013

Union Oil Company of California received National Pollutant Discharge Elimination System (NPDES) General Permit GEG460000 coverage for the Central Gulf of Mexico lease blocks attached. As required by the permit, attached are the Discharge Monitoring Reports (DMRs) for the period specified above.

GOM OCS Lease Block	Facility/Drill Site	Permit #
Mobile 872	Ptf A	GEG460559 🗸
Mobile 904	Ptf AB, AP, AQ, AW	GEG460501 🗸
Mobile 916	Ptf A, B, C, D, E	GEG460470 🗸
Mobile 917	Ptf A & B	GEG460492 🗸
Mobile 961	Ptf 2	GEG460495

If you have any questions concerning this report, please contact Jim Floyd (<u>Jim.Floyd@chevron.com</u> or 985-773-6628)

Very truly yours,

Jim Floyd,

**GGOM HES Water Team Lead** 

File: 310.15.2.7

### Union Oil Company of California Listing of Lease Areas/Blocks with

#### No Discharge / No Activity

For the monitoring period ending, December 31, 2013

Lease Areas/Block #	Permit #
MO 918 PFT A	GEG460493 V
MO 961 PTF 1	GEG460494 / //
	_

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

3.J. Chiasson

GOM East Operations Manager

01-20-2014

Date

001 1

DISCHARGE NUMBER

GEG46 0470

PERMIT COVERAGE

DRILLING FLUIDS

AQUEOUS

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

EPA FORM 3320-1 FACSIMILE Rev. 4.2

NAME

#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

100 Northpark Blvd.

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						enter NODI=9. If paran	neter not detected, ente	r NODI=E	3.							

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AQUEOUS FLUIDS

PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

•	100 Northpark Blv	d:		:			PERMIT COVERAG	E	DISC	HARGE N	UMBER		
	Covington, LA 704	133					NUMBER						
FACILITY	Mobile 916 "A, B,	C, D, & E"					MC	NITORING	PERIOD				
					***************************************		MO DAY YE	AR	MO	DAY	YEAR	*	
LOCATION	Mobile 916	*	•	·		FROM		з то		31	13	NO DIS	CHARGE []
· .												•	
		QU	JANTITY OR LOADING	*		QUALITY OR CO	DICENTRATION			NO.	FREQL		SAMPLE
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Effluent Gross Value	REQUIREMENT	*******	******	*****	*******		QRTR MAX		MG/KG		PEA	MIT	
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BARITE, DRY WEIGHT	MEASUREMENT			*****									
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Effluent Gross Value	REQUIREMENT	*******			******		ORTR MAX		MG/KG		PER	MIT	
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*	PERMIT												
	REQUIREMENT												
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			lance with a system desi				1/1/11	//					
G. J. Chiasson	•		on submitted. Based on m				/////	イノー			985-773-71	57	01/24/2014
Gulf of Mexico East Operations Ma	nager		responsible for gathering				CIONATURE OF	DOMOGRA	EVECUT	0.75	ADEA	A 11 40 C C	
TYPED OR PRIN	UTCO		f, true, accurate, and co				SIGNATURE OF					NUMBER	
COMMENTS AND EXPLANATION			nation, including the possit REFERENCE ALL ATTACH	MENTS HERE	imprisonment for knowing	violations.	UFFICER OR /	MUHUHIZ	EU AGEN	<u> </u>	CODE		MO DAY YEAR
If no discharge, enter NODI=C for					enter NODI-9 It param	eter not detected, enter	(NODE-B						
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PERMIT COVERAGE

DRILL CUTTINGS

NAF

PAGE 3 OF

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DISCHARGE NUMBER

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

100 Northpark Blvd.

period, enter NODI=9. If parameter not detected, enter NODI=B.

EPA FORM 3320-1 FACSIMILE Rev. 4.2

	Covergion, LA 70							NOMBEH						-		
FACILITY	Mobile 916 "A, B,	C, D, & E"		_			MONITO	DRING	PERIOD							
	,		•			*	MO	DAY	YEAR		MO	DAY	YEAR		-	
LOCATION	Mobile 916					FROM	10	01	13	TO	12	31	13	NO DI	SCHARGE	:0
														-		
		QU	JANTITY OR LOADING			QUALITY OR CO	DNCENT	NOITAR				NO.		UENCY	SAME	
PARAMETER		<u></u>	·				,					EXC.	OF AN	IALYSIS	TYP	Έ
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE		MAXIMUM	S75 600 Protection and the Contract of the Con		NITS					
DRILL CUTTINGS, END	SAMPLE	******			NODI⊨C	*******		*******		(	(50)			•		
OF WELL, 96-HR LC50	MEASUREMENT			-								300000000000000000000000000000000000000				**************************************
04311 1 0 0	PERMIT	******	*******	*****	30000	******		*******		_			100000000000000000000000000000000000000	EE	GRA	<b>Æ</b>
Gross Effluent Value	REQUIREMENT				MINIMUM						PPM .		PE	HMIT		
DRILL CUTTINGS	SAMPLE	******	*******	*****	NODI=C	NODI=C		*******		(3	20))				İ	
96-HR LC50	MEASUREMENT			-	00000	30000						************	******************			
04312 1 0 0	PERMIT REQUIREMENT	*******	*******	*****	30000 MINIMUM	MO AVG		*******		_				VCE/	GRA	R
Gross Effluent Value STOCK BASE FLUID	SAMPLE				MINNICIN	MOAVG					PPM -		1970,	NTH		2000 C
PAH	MEASUREMENT		******		******	*******	l 1	NODI⊨¢	C I	,	10)			*	1	
51114 1 0 0	PERMIT			+				0.00001					c	EE	CKR	ea
Gross Effluent Value	REQUIREMENT	******	*******	41111	*******	******		ORTR MA	,		ATIO			BMIT	Un m	GIA.
STOCK BASE FLUID	. SAMPLE			-							10)		1.1	mivite)		
SEDIMENT TOXICITY	MEASUREMENT	******	******		******	******	1	NODI=0	C	. (	10,				1	
51115 1 0 0	PERMIT			-				1.0					C	EE	CKA	ĒΟ
Gross Effluent Value	REQUIREMENT	******	*******	*****		******		ORTH MA		B.	ATIO			BMIT.	,	
STOCK BASE FLUID	SAMPLE							**************************************			1U)			*****************		<u> </u>
BIODEGREDATION RATE	MEASUREMENT	*******	*******		*******	******	ſ	NODI=	C	,	,				l	
51116 1 0 0	PERMIT			1				1.0					Ç	EE	CKR	FO
Gross Effluent Value	REQUIREMENT	*******	*******	*****	******	******		QRTR MA	<b>(</b>	8/	ATIO			RMIT		
DRILL CUTTINGS.	SAMPLE						*************				1U)					************
SEDIMENT TOXICITY	MEASUREMENT	*******	*******		******	*******	. [	NODI=0	ن ا	•					İ	
51117 1 0 0	PERMIT			7				1.0					S	EE	CKA	EO
Gross Effluent Value	REQUIREMENT	*******	*******	******	*******	*******		ORTH MAX	ζ.	R/	ATIO		PE	TIME		
DRILL CUTTINGS,	SAMPLE							NODI=	_	(	9A)					
FORMATION OIL	MEASUREMENT	******	*******	******	*******	******	[ [	ושטו	·				*			
. 51118 P 0 0	PERMIT			7				- 0		PA	SS=0		S	EE	CKRI	EQ
See Comments Below	REQUIREMENT	*******	******		*******	*******		CAM AKAD	(	F.A	AIL=1		PE	TIME		
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER		y of law that this docum					M	101				TELE	PHONE	DAT	E
			dance with a system des					1 1	1 "//							
G. J. Chiasson			ion submitted. Based on r				1	- 1 / V	$\mathcal{X}_{\bullet}$	_	*		985-773-7	157	01/24/2014	j
Gulf of Mexico East Operations Ma	anager		responsible for gathering				$\bot \angle egin{array}{c} \egin{array}{c} ar$	J / [			-					
			if, true, accurate, and co					GNATURE						NUMBER		
TYPED OR PRI			nation, including the possi		imprisonment for knowing	g violations.		OFFICER	OR AUTH	ORIZE	D AGENT		CODE		MO DAY	YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACK													
P=GC/MS, Q=RPE, R=OLEFINS, :	S=ESTERS, FOR LC50	), REPORT LOWEST N	MONTHLY AVG. R&S: PE	RCENT≃G. NAF	/100 G. WET CUTTINGS	<ol><li>It no discharge, ente</li></ol>	r NODI=C	7 for Quanti	ity and Cor	ncentra	tion or ch	eck box at	top right.	If reporting	not required	this

MALISIA

GEG46 0470

PERMIT COVERAGE .

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

100 Northpark Blvd.

	Covington, LA 704	433 -				_		NUMBER							
FACILITY	Mobile 916 "A, B,	C, D, & E"							ORING	PERIOD					-
	F.						MO	DAY YEAR	1	MO	DAY	YEAR			
LOCATION	Mobile 916					FROM	10 .	01 13 .	јто	12	31	13	NO DI	SCHARGE 🗆	
		QL	JANTITY OR LOADING			QUALITY OR CO	DNCENTR	ATION			NO.		UENCY	SAMPLE	
PARAMETER			1	1 1000		T 11/50405	·	141/11000	r		EXC.	OF AN	ALYSIS	TYPE	
DRILL CUTTINGS.	SAMPLE	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE		MAXIMUM _		INITS	<del> </del>				
FORMATION OIL	MEASUREMENT	*******	******	*****	*******	*******	N	IODI=C		(9A)	İ			İ	
51118 Q 0 0	PERMIT							0	n.	ASS=0		0.	ICE/	GRAB	
See Comments Below	REQUIREMENT	******			*******	******		WKLY MAX		155=0 AIL≃1			ICE EEK	GHAB	
DRILL CUTTINGS	SAMPLE						,	WILLIAM		(23)		VV	SEV.		<u> </u>
BASE FLUIDS RETAINED	MEASUREMENT	******	******	*****	******	NODI=C		******	1	(23)	1				
51120 R 0 0	PERMIT			4		69							EE.	GRAB	2236
See Comments Below	REQUIREMENT	********	******	*****	******	ORTR AVG		******	DE	RCENT			CE RMIT	UNAG	
DRILL CUTTINGS	SAMPLE				-					(23)		P C	TIVILL		<u> 2000</u>
BASE FLUIDS RETAINED	MEASUREMENT	*******	*******		*******	NODI=C		******		(20)		1			
51120 S 0 0	PERMIT			1		9.4				•			EE	GRAB	
See Comments Below	REQUIREMENT	*******	******		*******	QRTR AVG		*******	PF	RCENT		COST CAR CONTRACTOR	TIME	uing	
CADMIUM (CD), IN	SAMPLE					3				(69)		-			0000
BARITE, DRY WEIGHT	MEASUREMENT	******	*******	*****	******	*******	l l	IODI=C	1	()				1	
78244 1 0 0	PERMIT			1	-			3.0				S	EE	CK REQ	
Effluent Gross Value	REQUIREMENT	******	******	*****	*******	******	(	XAM RTRO	м	G/KG			TIME		
MERCURY (HG), IN	SAMPLE							IODI O	1	(69)					2200
BARITE, DRY WEIGHT	MEASUREMENT	*******	******	******	*******		l v	IODI=C			]				
78245 1 0 0	PERMIT			1				10				S	EE	CK REQ	
Effluent Gross value	REQUIREMENT	******	*******	*****	*******	******	(	DRTR MAX	М	G/KG		PE	TIME		
DRILL CUTTINGS,	SAMPLE						, A	IODI=C		(1M)					
FREE OIL	MEASUREMENT	*******	******	*****	******	*******	11	IUDI=C	1						
82595 1 0 0	PERMIT							0	1			NO.	ICE/	VISUAL	M
Effluent Gross Value	REQUIREMENT	******	4.00000	,,,,,,	******	*******	C	TR TOTAL	#	DAYS		W	EK		20
DRILL CUTTINGS,	SAMPLE	NODI=C	NODI=C	(1N)											
VOLUME	MEASUREMENT				*******	*******		*******			L				
82596 1 0 0	PERMIT	AEPORT	REPORT										ICE/	ESTIMA	
Effluent Gross Value	REQUIREMENT	GRTR AVG	MO TOTAL	BBL	*******			<u></u>		*****			NTH		***
NAME/TITLE PRINCIPAL EX	ECUTIVE OFFICER		y of law that this docume					MI 1.	1			TELE	PHONE	DATE	
			lance with a system desi				//	1 / K//	/		•			l .	
G. J. Chiasson			ion submitted. Based on n					1 // 11/1/	1 .			985-773-7	157	01/24/2014	
Guif of Mexico East Operations M	anager		responsible for gathering									L			
			of, true, accurate, and co					SNATURE OF PRIN					NUMBER		
TYPED OR PRI			nation, including the possi		imprisonment for knowin	ng violations.		OFFICER OR AUTH	ORIZE	D AGENT	•	CODE		MO DAY YE	AR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH												
P=GC/MS, Q=RPE, R=OLEFINS,	S=ESTERS. FOR LC50	0, REPORT LOWEST N	MONTHLY AVG. R&S PEI	RCENT=G. NAF	/100 G. WET CUTTING:	<ol><li>If no discharge, ente</li></ol>	r NODI=C	for Quantity and Co	oncentra	ation or ch	eck box a	t top right.	f reporting	not required this	

period, enter NODI=9. If parameter not detected, enter NODI=8.

DRILL CUTTINGS .

NAF

003 1

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Mylls/4

PRODUCED WATER Union Oil Company of California (Subsidiary of Chevron Corporation) GEG46 0470 004 1 NAME 100 Northpark Blvd. PERMIT COVERAGE DISCHARGE NUMBER Covington, LA 70433 NUMBER Mobile 916 "A, B, C, D, & E" MONITORING PERIOD FACILITY MO YEAR МО DAY YEAR DAY 10 31 NO DISCHARGE LOCATION Mobile 916 01 13 12 13

PARAMETER		QUANTITY OR LOADING QUALITY OR CONCENTRATION							NO. EXC.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1		
NOEC STATRE 7DAY CHR	SAMPLE				NODI=9			(23)	1		
MYSID. BAHIA	MEASUREMENT	*******	******			******	*******				
TBP3E 1 0 0	PERMIT				REPORT					SEE	CK REQ
See Comments Below	REQUIREMENT	*******		*****	MINIMUM	*******	******	PERCENT		PERMIT	
NOEC STATRE 7DAY CHR	SAMPLE	******	******		NODI=9	*******		(23)			1
MENIDIA	MEASUREMENT	*******	******			*******	*******				
TBP6B 1 0 0	PERMIT		******	******	REPORT	*******				SEE	CKREQ
See Comments Below	REQUIREMENT				MINIMUM		******	PERCENT		PERMIT	
CRITICAL DILUTION	SAMPLE	******	******	*****	NODI=9	********	*******	(1U)			
FACTOR	MEASUREMENT	****		_	REPORT				************	SEE	- and men
80093 1 0 0	PERMIT	*******	********		MO MIN	*****	*******	RATIO		PERMIT	CKRED
Effluent Gross Value	REQUIREMENT				MO WIN			(19)		PERMIT	ļ
PRODUCED WATER, OIL AND GREASE	SAMPLE MEASUREMENT	******	********	*****	*******	5.1	5.1	(19)	0	01/30	GR ·
82599 1 0 0	PERMIT			-		29.0	42.0			ONCE/	GRAB
Effluent Gross Value	REQUIREMENT	******	******		40,0000	MO AVG	DAILY MX	MG/L		MONTH	GRAD
PRODUCED WATER.	SAMPLE	<del> </del>		(1T)		iii Jirii G	DATE: WA	i ii d			
FLOW	MEASUREMENT	*******	230	1 100	******	*******	*******		0	31/30	ES
82600 1 0 0	PERMIT:		REPORT							ONCE/	ESTIMA
Effluent Gross Value	REQUIREMENT	******	ORTH MAX	BBL/DAY	*******	*******	4122224	,,,,,,		MONTH	
Emount Group 1 drup	SAMPLE										
* · · · ·	MEASUREMENT				1						Ť
	PERMIT										
	REQUIREMENT										
	SAMPLE										
•	MEASUREMENT	L.									
	PERMIT										
·	REQUIREMENT		and the second				/				
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER				chments were prepared		11/1/20	1		TELEPHONE	DATE
		supervision in accorda					X/// (14	<i>7</i> .			
a. J. Chiasson	•	evaluate the informatio					/ - W X	<u> </u>		985-773-7157	01/24/2014
Bull of Mexico East Operations Ma	nager	those persons directly									_
					aware that there are s		SIGNATURE OF PRIN			AREA NUMBER	
TYPED OR PRIN	ITED	submitting false information	ation, including the poss	sibility of fine and	imprisonment for knowing	ng violations.	← OFFICER OR AUTI	HORIZED AGENT		CODE .	MO DAY YE

COMMENTS AND EXPLANATION OF ANY VIOLATIONS

REFERENCE ALL ATTACHMENTS HERE

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Malla/14

DECK DRAINAGE Union Oil Company of California (Subsidiary of Chevron Corporation) GEG46 0470 NAME 005 1 100 Northpark Blvd. PERMIT COVERAGE DISCHARGE NUMBER Covington, LA 70433 Mobile 916 "A, B, C, D, & E" NUMBER **FACILITY** MONITORING PERIOD DAY YEAR LOCATION Mobile 916 10 13 12 31 13 NO DISCHARGE□

PARAMETER		QU	IANTITY OR LOADING			QUALITY OR C		NO. EXC.	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
FARAMETER		AVERAGE C	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EAC.	OFANALISIS	1176
DECK DRAINAGE,	SAMPLE						n	· (1M)	0	DI /DC	-VI
FREE OIL	MEASUREMENT	*******	*******	•••••	*******	******	U		U	DL/DS	Vi
82597 1 0 0	PERMIT						0			SEE	VISUAL
Effluent Gross Value	REQUIREMENT	*******		*****	*******	******	MO TOTAL	# DAYS		PERMIT	
	SAMPLE										
	MEASUREMENT										
	PERMIT							·			
	REQUIREMENT SAMPLE			<u> </u>							
·	MEASUREMENT					· .					
1	PERMIT										
	REQUIREMENT										
	SAMPLE										
1	MEASUREMENT										
1	PERMIT										
	REQUIREMENT										
	SAMPLE										
	MEASUREMENT			J							
	PERMIT										
	REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT										
	REQUIREMENT										
	SAMPLE			<u> </u>				***************************************	70.00		
	MEASUREMENT		4	1 .							
	PERMIT			1							
	REQUIREMENT										
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER .		of law that this docume							TELEPHONE	DATE
			ance with a system desi						•		
G. J. Chiasson			on submitted. Based on m						-	985-773-7157	01/24/2014
Gulf of Mexico East Operations Mar	nager		responsible for gathering								
			f, true, accurate, and co							AREA NUMBER	
TYPED OR PRIN			ation, including the possi		imprisonment for knowin	g violations.	OFFICER OR AUTH	IOHIZED AGENT		CODE	MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS		REFERENCE ALL ATTACH	IMENTS HERE			•				•

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=6.

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

		, ,	,							TCW FLUIDS
NAME	Union Oil Company of California (Subsidiary of Chevron Corporation)			GEG46	0470	]		006 1		
	100 Northpark Blvd.		PER	MIT COVE	RAGE	1	DISCH	HARGE N	JMBER	
	Covington, LA 70433		L	NUMBER	₹					
FACILITY	Mobile 916 "A, B, C, D, & E"				MONIT	ORING	PERIOD			ĺ
			MO	DAY	YEAR		MO	DAY	YEAR	
LOCATION	Mobile 916	FROM	10	01	13	ТО	12	31	13	NO DISCHARGE [

PARAMETER		QU	ANTITY OR LOADING			QUALITY OR CO	DICENTRATION		NO. EXC.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	]		
OIL & GREASE	SAMPLE MEASUREMENT	*******	*******	*****	*******	NODI⊨C	NODI=C	(19)			
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	*******	******	*****	*******	29.0 MC AVG	42.0 DAILY MX	MG/L		ONGE/ MONTH	GRAB
WELL FLUIDS, FREE OIL	SAMPLE MEASUREMENT	*******				*****	NODI=C	(1M)			
82603 1 0 0 See Comments Below	PERMIT REQUIREMENT	*******	*******	*****	*******	*******	0 MO TOTAL	-# DAYS		SEE PERMIT	VISUAL
WELL FLUIDS, VOLUME	SAMPLE MEASUREMENT	NODI=C	NODI=C	(1N)	······	*******	*******		<u>'</u>		
B2604 1 0 0 Effluent Gross value	PERMIT REQUIREMENT	REPORT QRTR AVG	REPORT MO TOTAL	BBL	*******	******	*******			ONCE/ MONTH	ESTIMA
	SAMPLE MEASUREMENT.										
	PERMIT REQUIREMENT		9-962								
	SAMPLE MEASUREMENT		,							•	
	PERMIT REQUIREMENT										
~	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT		200								
	SAMPLE MEASUREMENT	-									
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXE		supervision in accord evaluate the information	y of law that this docume ance with a system desi- on submitted. Based on m	gned to assure by inquiry of the	that qualified personne person or persons who r	el properly gather and manage the system, or	1/01/2-	,		985-773-7157	DATE 01/24/2014
Gulf of Mexico East Operations Ma		knowledge and belief	responsible for gathering i, true, accurate, and co lation, including the possib	mplete. I am	aware that there are si	gnificant penalties for	SIGNATURE OF PRIN			AREA NUMBER	MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH		imprisorment for tellower	g mountains.	1/	TOTAL PAGE INTO			, MO OAT TEAR

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=6.

#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORT (DMR)

(NPDES)	1101	·.
		SANITARY WASTE
GEG46 0470	007 1	j
PERMIT COVERAGE	DISCHARGE NUMBER	
NUMBER		_
MONITOR	ING PERIOD	7

		•								SANITARY WASTE
NAME	Union Oil Company of California (Subsidiary of Chevron Corporation)	•		GEG46	0470			007 1		
*	100 Northpark Blvd.	•	PERI	MIT COVE	RAGE		DISCH	IARGE N	UMBER	•
	Covington, LA 70433			NUMBER						
FACILITY	Mobile 916 "A, B, C, D, & E"				MONITO	DAING I	PERIOD			
•	•		MO	DAY	YEAR		MO	DAY	YEAR	,
LOCATION	Mobile 916	FROM	10	01	13	то	12	31	13	NO DISCHARGE□

PARAMETER		, QU	ANTITY OR LOADING			. QUALITY OR CO	ONCENTRATION		NO. EXC.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SANITARY WASTE,	SAMPLE				1.5			(19)	0	01/30	GR
RESIDUAL CHLORINE	MEASUREMENT	*******	******			******	CHANNE .		U		
82605 P 0 0	PERMIT				1.0					ONCE/	GRAB
See Comments Below	REQUIREMENT	*******		*****	DAILY MN.	******	*******	MG/L		MONTH	
SANITARY WASTE,	SAMPLE	******	*******	*****	******	*******	0	(1M)	0	DL/DS	VI
SOLIDS	MEASUREMENT			4 ****							
82607 P.O O	PERMIT						0	1		DAILY	VISUAL
See Comments Below	REQUIREMENT		*******	(0.4)	****	*******	40 TOTAL	# DAYS			
MARINE SANITATION	SAMPLE MEASUREMENT	*******	1	(94)	*******	*******	*******		0	1/30	CT
DEVICE USED 61944 1 0 0	PERMIT	-	REPORT	0=YES				-		ONCE/	CERTIF
Effluent Gross Value	REQUIREMENT	*******	VALUE	1=NO	******	*******	2814444			MONTH	GETHE
Cilibera Gross value	SAMPLE		YALUL	1-110						inchts i i i	
	MEASUREMENT	,								,	
	PERMIT							1			
	REQUIREMENT										
	SAMPLE							•			
	MEASUREMENT										
	PERMIT										
1	REQUIREMENT										
	SAMPLE						`				,
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	PERMIT										
	REQUIREMENT			-							
	SAMPLE										
	MEASUREMENT							]			
	PERMIT										
•	REQUIREMENT						4	l			
NAME/TITLE PRINCIPAL EXEC	CUTIVE OFFICER		of law that this docum					_	_	TELEPHONE	DATE
			ance with a system des				1 // 1//////	<i>1</i>	~		
G. J. Chiasson			on submitted. Based on r					$\sim$		985-773-7157	01/24/2014
Gulf of Mexico East Operations Man	ager		responsible for gathering				1 / 3/3/1/2/2	IOIONI EVEC.		1000	-
T. (255, 05, 55)			, true, accurate, and c				SIGNATURE OF PRIN			AREA NUMBER	
TYPED OR PRINT COMMENTS AND EXPLANATION C			ation, including the poss REFERENCE ALL ATTAC		imprisonment for knowl	ng violations.	OFFICER OR AUTI	TURIZED AGENT		CODE	MO DAY YEAR

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

NAME

#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

	100 Northpark Blv	d				_	PERMIT COV	ERAGE	DIS	CHARGE N	UMBER		
	Covington, LA 704	33					NUMBE	R					
FACILITY	Mobile 916 "A, B,	C, D, & E"				_		MONITO	DRING PERIO	D			
	,	•				-	MO DAY	YEAR	MO	DAY	YEAR		
LOCATION	Mobile 916		***************************************			FROM	10 01	- 13	TO : 12	31	13	NO DIS	CHARGE [
		, QU	JANTITY OR LOADING	***************************************		QUALITY OR CO	DICENTRATION			NO.		JENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMU	M	UNITS	EXC.	OF AN	ALYSIS	TYPE
DOMESTIC WASTE,	SAMPLE						0		(1M)	0	DI.	/DC	1/1
SOLIDS	MEASUREMENT	*******	******	*****	*******	*******				. 0		/DS	. VI
82608 1 0 0	PERMIT	******		*****		******	0					EE .	VISUAL
Effluent Gross Value	REQUIREMENT SAMPLE						MO TOT	AL	# DAYS		PEI	MIT	
	MEASUREMENT									-			
resident of	PERMIT											1	
•	REQUIRÉMENT												
	SAMPLE						,						
	. MEASUREMENT PERMIT												
:	REQUIREMENT												
	SAMPLE			·······································					***************************************				
	MEASUREMENT												
	PERMIT												
	REQUIREMENT SAMPLE												
•	MEASUREMENT												• .
	PERMIT		,	-									
	REQUIREMENT												
	SAMPLE					·							
	MEASUREMENT PERMIT										,		
	REQUIREMENT												
	SAMPLE												
9	MEASUREMENT												
* *	PERMIT			•									
NAME/TITLE PRINCIPAL EXE	REQUIREMENT	L codificandos consti	y of law that this docume	nt and all atten	hannin was seened	mday mu disastica ay	$-\sim$	$\mathcal{A}^{\mathcal{O}}$			TELEF	HONE	DATE
NAME/TITLE PHINCIPAL EXE	COTIVE OFFICER		y or law that this document lance with a system design					X // /		- ~	IELER	HONE	DATE
G. J. Chiasson			on submitted. Based on my				1 1/1	WI	1 _		985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	inager	those persons directly	responsible for gathering	the information	, the information submitte	d is, to the best of my	/ // >				-		
			f, true, accurate, and con						CIPAL EXECU			NUMBER	
TYPED OR PRI		submitting false inform	nation, including the possib		imprisonment for knowing	violations.	L OFFICER	HTUA ROF	ORIZED AGE	NT	CODE		MO DAY YEAR
COMMENTS AND EXPLANATION If no discharge, enter NODI=C for		tion or shoot how at ton	REFERENCE ALL ATTACHI		ontar NODI-O If naram	ntar sint detected, onto	- NODI-B						
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Union Oil Company of California (Subsidiary of Chevron Corporation)

DOMESTIC WASTE

NAME

FACILITY LOCATION

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

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	j j									MISCELLANEOUS
	Union Oil Company of California (Subsidiary of Chevron Corporation)			GEG46	0470			009 1		WASTES - NO
	100 Northpark Blvd.		PERM	AIT COVE	RAGE		DISCH	ARGE N	JMBER .	CHEMICALS ADDED
	Covington, LA 70433		-	NUMBER	1					
	Mobile 916 "A, B, C, D, & E"				MONITO	RING	PERIOD			
			MO	DAY	YEAR		MO	DAY	YEAR	
•	Mobile 916	FROM	10	01	13	TO	12	31	13	NO DISCHARGE

PARAMETER		QL	ANTITY OR LOADING	***************************************		QUALITY OR CO	ONCENTRATION		NO. EXC.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MISC. DISCHARGES, FREE OIL	SAMPLE MEASUREMENT	*******		*****	*******	*******	0	(1M)	0	14/07	VI .
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Effluent Gross Value	REQUIREMENT	*******	*******	*****	******	*******	MO TOTAL	# DAYS		PERMIT	
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NAME/TITLE PRINCIPAL E	XECUTIVE OFFICER		y of law that this docume					^	• ]	TELEPHONE	DATE
G. J. Chiasson	,	evaluate the informati	fance with a system desi on submitted. Based on m	y inquiry of the	person or persons who r	manage the system, or		<u> </u>		985-773-7157	01/24/2014
Gulf of Mexico East Operations I	Manager		responsible for gathering f, true, accurate, and co				SIGNATURE OF PRIN	CIPAL EXECUTI	IVE	AREA NUMBER	
TYPED OR PE	RINTED		nation, including the possit				OFFICER OR AUTH			CODE	MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH		anproduttient for known	g violations.	177.1031.1071.1011	OLED FIGLIA			I MO DAI TEAN
CINIMEIA I & WIND EXPLAINALIC											

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

My/12/14

### PERMITTEE NAME/ADDRESS Include Name/Location if different

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

							· ·						MISCELL	ANEOUS
NAME	Union Oil Compan	nv of California (Si	ubsidiary of Chevron C	orporation)				GEG46	0470	) [		010 1	WASTES	1
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	Covington, LA 704					-		NUMBER			0.00	ii ii i C	ON LEARNOR	LO MODED
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	M-E9- 040				•		MO		YEAR		MO	DAY	YEAR NO DI	SCHARGE□
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	REQUIREMENT	1										2		
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER	I certify under pena	alty of law that this docume	ent and all attac	hments were prepared	under my direction or	/	//	A /	1		<b>n</b>	TELEPHONE	DATE
		supervision in acco	rdance with a system desi	igned to assure	that qualified personne	el properly gather and	1	× /	(1) l	/		.		
G. J. Chiasson			ation submitted. Based on				L.	/ د	バイ	_			985-773-7157	01/24/2014
Gulf of Mexico East Operations Ma	anager		ectly responsible for gather				· / -	_/_						
			belief, true, accurate, and						OF PRIN				AREA NUMBER	
TYPED OR PRIN			rmation, including the poss		imprisonment for knowi	ing violations.	, 0	FICER	OR AUTH	ORIZEI	D AGENT	•	CODE	MO DAY YEAR
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FOR NOEC, REPORT LOWEST N				ntration or check	t box at top right. If repo	rting not required this p	erioa, ente	EL-MODIE:	e. It parar	neter no	or aetecte	a, enter N	ODI=B.	
*Testing laboratory incorrectly test	ea Decembers monthly	/ sample. Please set	e attachment.											

NAME

FACILITY

#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

Union Oil Company of California (Subsidiary of Chevron Corporation)

100 Northpark Blvd.

Covington, LA 70433

Mobile 916 "A, B, C, D, & E"

MO

REPORTS GEG46 0470 011 1 PERMIT COVERAGE DISCHARGE NUMBER NUMBER MONITORING PERIOD YEAR MO DAY YEAR DAY

LOCATION	Mobile 916		· · · · · · · · · · · · · · · · · · ·	····		FROM	10 01 13	TO 12	31	13 NO DIS	SCHARGE 🗆
		QU.	ANTITY OR LOADING			QUALITY OR CO	DICENTRATION		NO.	FREQUENCY	SAMPLE .
PARAMETER		AVERAGE I	· MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EXC.	OF ANALYSIS	TYPE
Cooling Water	SAMPLE						NODI=C	(9P)			
Baseline Study	MEASUREMENT	*******	******		*******	*******	NODIEC	] .		***************************************	
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Effluent Gross Value	REQUIREMENT		*******		******		MAXIMUM	1=NO		PERMIT	
Cooling Water	SAMPLE MEASUREMENT	*******	******		*******	*******	NODI=C	(9P)	1		
Baseline Study 85869 Q 0 0	PERMIT						0	0=YES		pre	ow bed
Effluent Gross Value	REQUIREMENT	*******	******	111127	*******	******	MAXIMUM	0=1ES 1=NO		SEE PERMIT	CKREQ
BMP Plan	SAMPLE							(9P)		FEMNU	
Certification Submittal?	MEASUREMENT	*******	*******		*******	******	NODI=9	(31)			
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NAME/TITLE PRINCIPAL EX	EGUTIVE OFFICER		of law that this docume					(/	•	TELEPHONE	DATE
G. J. Chiasson			ance with a system design on submitted. Based on m					1 -		<u>985-773-7157</u>	01/24/2014
Gulf of Mexico East Operations Ma	angeor .		responsible for gathering				/ // //\			200-110-1101	01/24/2014
Guil of Mexico cast Operations Ma	atta got		true, accurate, and cor				SIGNATURE OF PRIN	CIPAL EXECUTI	VE	AREA NUMBER	1
TYPED OR PRI	NTED		ation, including the possib				OF WEER OR AUTH			CODE	MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH			3	OTT-OLITON AND IT				I TO DAT TEAM

If no discharge, check "No Discharge" box at top right. If reporting not required this period, enter NODI=9 in all applicable reporting spaces. If parameter not detected, enter NODI=8. P=Industry-wide study. Q=Individual study.

EPA FORM 3320-1 FACSIMILE Rev. 4.2

OF

M (NPDES)

GEG46 0492

PERMIT COVERAGE

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation) 100 Northpark Blvd.

	Covington, LA 704	133				_		NUMB	ER	L				_	
FACILITY	Mobile 917 "A & B	tf							MONITO	DRING	PERIOD				
							MO	DAY	YEAR	I	MO	DAY	YEAR		*
LOCATION	Mobile 917					FROM	10	01	13	то	12	31	13	1 NO DIS	SCHARGE []
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	CALCULATION OF THE SECOND	. QL	JANTITY OR LOADING			QUALITY OR CO	ONCENTE	RATION				NO.	FREC	UENCY	SAMPLE
PARAMETER	Parities.											EXC.	OF A	IALYSIS	TYPE
***************************************		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE		MAXIM	JM		NITS:				
DRILLING FLUID, END	SAMPLE		<b>建</b> 加速 医电压器		NODI≕C						(20)	1			
OF WELL, 96-HR LC50	MEASUREMENT	100 minut					21.003	******	<b>以在300%。這至</b>				10000 1900		
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Effluent Gross Value	REQUIREMENT	A			DAILY MN		THE RESERVE	a teachea			PM	特別認用	NEW PE	HMIL	20.000000000000000000000000000000000000
DRILLING FLUID	SAMPLE	Control of the Parket			NODI=C	NODI=C				'	(20)				
96-HR LC50	MEASUREMENT			日の代表でも思いている。				SETTING AND AND AND AND AND AND AND AND AND AND		1		British (BBC) errors	DESCRIPTION OF STREET	10=75794-1-1-1	and a market of the same of th
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CADMIUM (CD), IN	SAMPLE	# P					1 1	NODI	=C	'	(69)				
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Effluent Gross Value	REQUIREMENT	**************************************			<b></b>			OPTRA	AAX	M	g/kg		DE	EE :	CK REQ: 4
DRILLING FLUIDS,	SAMPLE	20.00				CASA CARPATO CONTRACTOR TO MESTA CONTRACTOR					1M)	SECTION BOOK	CT THE PROPERTY OF THE	1,11416.02.35.03.05.05	Calcania de Salacia de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calcania de Calc
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G. J. Chiasson	•		on submitted. Based on my				l (.	//(		/ .			985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	naner		responsible for gathering				٧ /	- }			_				
			f, true, accurate, and cor				/ SI	GNATU	RE/OF PRIN	CIPAL	EXECUTI	VE	AREA	NUMBER	
TYPED OR PRI	VTED		nation, including the possib						A OR AUTH				CODE		MO DAY YEAR
COMMENTS AND EXPLANATION		1	REFERENCE ALL ATTACHI												
If no discharge, enter NODI=C for		tion or check box at to	p right. If reporting not regu	ired this period	, enter NODI=9. If param	eter not detected, ente	r NODI=E	3,							

DRILLING FLUIDS

AQUEOUS

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PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

· ·										1 [				
NAME :	Union Oil Compan	y of California (Sub	sidiary of Chevron Cor	poration)				SEG46 (	)492		002 1	/	AQUEOUS	FLUIDS
	100 Northpark Blv	d.	*				PERMIT	COVER	RAGE	DISC	HARGE N	JMBER		
	Covington, LA 704	133	***************************************			,	NI	JMBER		<u>'</u>				
FACILITY	Mobile 917 "A & B					•			MONITO	DRING PERIOD	****			
AOICITT	MODILE OTT ACED					•	MO	DAY	YEAR	MO	DAY	YEAR		
LOCATION	Mobile 917					FROM	10	01	13	TO 12	31	13	NO DIS	CHARGE [
LOCATION	MODILE 917					PROM	10 1	01 [	13	10 [	1 31		NO DIO	OIMIGE L
	Constitution of the state of th	QL.	JANTITY OR LOADING			QUALITY OR CO	NCENTRAT	ION			NO.	FREQU	ENCY	SAMPLE
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DRILL CUTTINGS, END	SAMPLE				NODI=C			*****	9.	(20)				
OF WELL, 96-HR LC50	MEASUREMENT				NODI=C		100							
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See Comments Below	REQUIREMENT	********		******	DAILY MN		30,330			PPM		PER	AIT TO	<b>建筑地址,1985</b>
DRILL CUTTINGS	SAMPLE	425	to a feet attitude to be		NODI=C	NODI=C			region	(20)				
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CADMIUM (CD), IN	SAMPLE	10.70 min (2)	*******	And States			NC	DI=C	)	(69)				
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MERCURY (HG), IN	SAMPLE	( <b></b>	*		********	*******	NC	DI=C	)	(69)				
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78245 1 0 0 Effluent Gross Value	REQUIREMENT				14		Op.	TOMAN		MG/KG	94	SE PERI	7.7	A SAME
DRILL CUTTINGS,	SAMPLE	100000000000000000000000000000000000000		na fotografia e de la composito de la composit	A Company of the Comp					(1M)	MATERIAL SIG	SECTION CO.	HITTS SEE	A COLOR BOY SEE HERACTERIAL CO.
FREE OIL	MEASUREMENT		***************************************	******			NC	DI=C	)	(,,,,,				
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Effluent Gross Value	REQUIREMENT		*********				T. OT	ATOTA		# DAYS	46.6	WE	K	A court of the
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	SAMPLE													
	MEASUREMENT	į l			l						Ŀ			
	PERMIT	Contract of the	HALLER CO.				STATE OF						District Street	Marter allowance
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NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER		y of law that this docume				,	/ 1	1			TELEP	HONE	DATE
			lance with a system design					- 17	//N I	1			· _	
G. J. Chiasson			on submitted. Based on my					10	(U'.	11		<u>985-773-71</u>	<b>5</b> 7	01/24/2014
Gulf of Mexico East Operations Ma	nager		responsible for gathering					$\sim$	حير					
			f, true, accurate, and cor							CIPAL EXECUTI			NUMBER	
TYPED OR PRIN		submitting false inform	nation, including the possib		imprisonment for knowing	violations.	OF	HUER	UR AUTH	ORIZED AGENT		CODE		MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS		REFERÊNCE ALL ATTACHI	WENTS HERE				-						

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

DRILL CUTTINGS

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### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

	100 Northpark Blv	d.				-	PERMIT CO	VERAGE	1	DISC	HARGE N	UMBER		
	Covington, LA 704		***************************************			-	NUME	BER	l					
FACILITY	Mobile 917 "A & B					-		MONIT	ORING	PERIOD				
TAGEN I	MODIO OTT TO D					-	MO DAY		1	. MO	DAY	YEAR		4 A
LOCATION	Mobile 917					FROM	10 01		1 то	12	31	13	NO DIS	CHARGE
ECOATION	MODIIG 517					- '''	10 1 01		1 .0		1 0.	1 10	110 0.0	010000
	Season to the little beg	QL	JANTITY OR LOADING			QUALITY OR CO	NCENTRATION	J			NO.	FREQU	JENCY	SAMPLE
PARAMETER	100				*			,			EXC.	OF AN	ALYSIS	TYPE
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DRILL CUTTIINGS, END	SAMPLE	376 THE 149 ST 188	TOTAL TRANSPORT	Control of the Control	NODI=C		WAY TO	477 S		(20)			•	
OF WELL, 96-HR LC50	MEASUREMENT	Service Control	Assessed the second		NODEC		(2°0) (20, *****							
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Gross Effluent Value	REQUIREMENT	*******	1 1/2 15 15 15 15 15 15 15 15 15 15 15 15 15		MINIMUM			100		PM	44.54	PEF	MIT	
DRILL CUTTINGS	SAMPLE				NODI=C	NODI=C	14. (1.1)	444	(	20)) ·	Ì			
96-HR LC50	MEASUREMENT		M	•		L								
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Gross Effluent Value	REQUIREMENT		141114	Addition to	MINIMUM	MO AVG	(3) March 1			РМ	<b>建筑线的</b>	SE MO	WITHE	in its through the
. STOCK BASE FLUID	SAMPLE		190°°		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		NOD	I=C	(	1U)	-			
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Gross Effluent Value	REQUIREMENT	MESSAGE TO SHEET	See the second control of				QRTR	MAX		ATIO	<b>6等不多的</b>	<b>新疆岛</b> 加州上上	<b>IMPLANTA</b>	* * <b>1</b>
STOCK BASE FLUID	SAMPLE		Profession (Control of Control of		* ·······*		NOD	I=C	(	1U)				
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Gross Effluent Value	REQUIREMENT	A PAGE OF THE PAGE		TO STATE OF STREET	The state of the s	AND AND THE PROPERTY OF					CONTRACTOR OF THE PARTY OF THE	CONTRACTOR CO.	(IVIII)	
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Gross Effluent Value	REQUIREMENT	*******	******				ORTA.	MAX	B	ATIO		PER	MIT	
DRILL CUTTINGS.	SAMPLE	Control of the Contro	BURNINGS REALTHOUGH AND DESCRIPTIONS	E. STERRY CO.						9A)	ACTE DESCRIPTION	NACTOR NOTES THE	TO THE PROPERTY.	1877 (AND ASSESSMENT OF STREET OF ST
FORMATION OIL	MEASUREMENT		***************************************		41 <b></b>	***************************************	NOD	I=C	Ι `	,	1			
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See Comments Below	REQUIREMENT	*******	1 ( 1 ( <u>********</u>	*****	6.5 g	A STATE OF THE STA	CALCATA	MAX 🚜 👢	F/	AIL=1			MIT.	777
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER	certify under penalt	y of law that this docume	nt and all attac	hments were prepared	under my direction or	/	7		,		TELEF	HONE	DATE
		supervision in accord	fance with a system design	ned to assure	that qualified personne	properly gather and	//	///	$\sqrt{/}$	,	•			
G. J. Chiasson		evaluate the informati	on submitted. Based on my	inquiry of the	person or persons who n	nanage the system, or	L X	1	1/1	_		985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	nager	those persons directly	responsible for gathering	the information,	the information submitte	ed is, to the best of my		6/1	10		Andreas and a second			
	-	knowledge and belie	f, true, accurate, and cor	nplete. I am a	aware that there are sig	gnificant penalties for		JAZ OF PRIN					NUMBER	
TYPED OR PRIN		submitting false inform	nation, including the possib	ility of fine and	imprisonment for knowing	g violations.	OFFIC	ER OR AUTH	ORIZE	D AGENT		CODE		MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS		REFERENCE ALL ATTACHI	MENTS HERE										
PEGC/MS OF REDIFFINS S	SESTERS FOR LCSC	REPORT LOWEST N	MONTHLY AVG. B&S: PER	CENTEG NAF	100 G WET CUTTINGS	If no discharge, ente	r NODI=C for Qu	antity and Co	ncentra	tion or ch	eck box a	t top right. I	reporting r	not required this

period, enter NODI=9. If parameter not detected, enter NODI=B.

DRILL CUTTINGS

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### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

	100 Northpark Blv	d.			•	_	PERMIT C	OVERAGE		ISCHARG	E NUM	BER			
	Covington, LA 704	133				-	NUM	BER .							
FACILITY	Mobile 917 "A & B	ja ·				-		MONIT	ORING PERI	OD					
-						-	MO DA	YEAR	N	O D/	YY	YEAR			
LOCATION	Mobile 917					FROM	10 0	1 13	TO 1	2 3		13	NO DIS	CHARGE	
		QL	JANTITY OR LOADING		T	QUALITY OR CO	NCENTRATIO	N		N		FREQUE		SAMPL	
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXII	MUM	UNITS	EX	C.	OF ANAL	YSIS .	TYPE	:
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FORMATION OIL	MEASUREMENT	*******	*******		***************************************	*44 * <b></b>	NOE	)I=C							
51118 Q 0 0 °	PERMIT	195	1.00	Letter 1 de 1	4.8 (10 pt 1 4 1 7 pt 1	PROFILE AND AND	STATE OF THE OWNER, TO A	0484427-2002	PASS=	)		ONC	5/8/32	GRAE	316986
See Comments Below	REQUIREMENT		19 <b>5</b> a. 3 <b></b>		4,000,000,000		Jaka WKLY	MAX	FAIL=1	- 松巻		WEE	K學家義義	and orbit	
DRILL CUTTINGS BASE FLUIDS RETAINED	SAMPLE MEASUREMENT	4			100	NODI=C		*	(23)						
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See Comments Below	REQUIREMENT	A		*****	*******	SQRTR'AVG		ni yalay v	PERCEN	T D		PERM	IT.		
DRILL CUTTINGS	SAMPLE	#	g 200 (2	100		NODI=C			(23)						
BASE FLUIDS RETAINED	MEASUREMENT	200 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To 100 To	***************************************	•			California Carrier	A CONTRACTOR		L					
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See Comments Below	REQUIREMENT	***********			And the later of the same of t	QRTR AVG			PERCEN	1 57866	漢明 東橋	<b>EXEPEHM</b>	111722220	Section 5	ASSESSED.
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Effluent Gross Value	REQUIREMENT	*******	C. T. S. C.	4	7.5. (4		QRTF		MG/KG			PERM			300
MERCURY (HG), IN	SAMPLE	TO THE REAL PROPERTY.		ATT SHOWER ST	47. N. 10. P. L. + G. J. Soc. 187 P.	TORING TARE EVELOW			(69)	100.00	44.17	SALARINAMATA	V Compagnets	NA CONTRACTOR SACREMENT	Production where
BARITE, DRY WEIGHT	MEASUREMENT	200	**************************************	<b>4</b> ,		12.50	NOE			-	į		-		
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. FREE OIL	MEASUREMENT					1 de			4	-		10.00	1000 2000000000	Albania a mare a	and there
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Effluent Gross Value	REQUIREMENT	ORTH AVG	MOTOTAL	BBL	39 <sub>2</sub> - 12 - 13	10 mm						MONT	41.4		
NAME/TITLE PRINCIPAL EXE			y of law that this docume		chments were prepared	under my direction or	A	$\rightarrow \sim$	Laterage was	Met Act   Land bear	44.2/14/22	TELEPHO		DATE	
			fance with a system design					NIA	r						
G. J. Chiasson			on submitted. Based on m					/VW/	ノー		985	5-773-7157	7	01/24/2014	
Gulf of Mexico East Operations Ma	ınager		responsible for gathering				$\mathcal{N}$						I		
			f, true, accurate, and cor					ARE OF PRIN				AREA N	UMBER		
TYPED OR PRII			nation, including the possib		imprisonment for knowing	g violations.	L DEPT	CER OR AUTH	HORIZED AG	ENT		CODE		MO DAY	YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH												
P=GC/MS, Q=RPE, R=OLEFINS, S	S=ESTERS. FOR LC50	), REPORT LOWEST N	MONTHLY AVG, R&S PER	RCENT=G. NAF	F/100 G. WET CUTTINGS	<ol> <li>If no discharge, ente</li> </ol>	r NODI≃C for Q	luantity and Co	oncentration (	or check b	x at top	right. If re د	eporting n	ot required t	nis

period, enter NODI=9. If parameter not detected, enter NODI=B.

DRILL CUTTINGS .

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#### PERMITTEE NAME/ADDRESS Include Name/Location if different

#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME .	Union Oil Compan 100 Northpark Blv Covington, LA 704	d.	sidiary of Chevron Co	rporation)					16 0492 VERAGE		DISC	004 1 HARGE N	UMBER		D WATER
FACILITY	Mobile 917 "A & B					•		TOMOL		ORING	PERIOD				
,		***************************************			***************************************	•	мо	DAY	YEAR	T	MO	DAY	YEAR		
LOCATION	Mobile 917					FROM	10	01	13		12	31	13	NO DIS	SCHARGE []
PARAMETER	1		ANTITY OR LOADING			QUALITY OR CO						NQ. EXC.		UENCY ALYSIS	SAMPLE , TYPE
NOTE STATES TO AVENUE		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	N Consecutive cost	MIXAN	JM		INITS	ļ			
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See Comments Below	REQUIREMENT		- 18. <b></b> (19.7)	D: 1	MINIMUM	********				PE	RCENT		PER	MIT-	
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MENIDIA	MEASUREMENT	200 Hanning Co.			NODI=C	*******	200	ALL CALLS		1					
TBP6B 1 0 0	PERMIT	46.5	A CONTRACTOR OF		REPORT			WENT.	100			140	or ₃ S	EE	CKIREO
See Comments Below	REQUIREMENT				MINIMUM.		6 3 KM	C			RCENT	Arm in	PEF	RMITHALISE	is the second
CRITICAL DILUTION	SAMPLE				NODI=C		4.00	100			(1U)			,	
FACTOR 80093 1 0 0	MEASUREMENT PERMIT	Section 19		M.G	REPORTS A RE		100000000000000000000000000000000000000	ALCOHOLOGICA BULLION STATE		<u> </u>		THE COLUMN TWO STORY	STARROW SEASON	ccase has	*SCK-REQ
Effluent Gross Value	REQUIREMENT				MO MIN	* * * * * * * * * * * * * * * * * * *	*****		. Cyaran		ATIO				CKREU
PRODUCED WATER.	SAMPLE	State Control of the		CONTRACTOR OF	CONTRACTOR OF STREET			~~~~			(19)	ANTAHARAN ANTAHAR	SERVICE CO.	HAIL HANDSCORE	ECTABLISHED SECTION OF
OIL AND GREASE	MEASUREMENT	(a	16.00			NODI=C	N	ODI	=Ç	1	(10)				
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Effluent Gross Value	REQUIREMENT	4		500000000000000000000000000000000000000		MO AVG		DAILY	MX		MG/L	1	MO	NTH, TANK	GRAB
PRODUCED WATER,	SAMPLE	314 (1989) Ca	NODI=C	(1T)		7 ( Table 1 )	25 17 18	1.00		<b>建造</b>					
FLOW	MEASUREMENT	**********		ļ.	Constitution of the second		<b>HALL SER</b>	A. C. C. C. C.		3.85					
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Effluent Gross Value	REQUIREMENT		**************************************	BBL/DAY	***************************************	*******	Surviva Las	A STATE OF		27534	.00-491042	Selvour	MO	NTHE	
	SAMPLE MEASUREMENT					*									
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	MEASUREMENT									1			-		
	PERMIT	No. of the Control								1		<b>C</b>	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a 1870.214	Stor Wildle Livi
	REQUIREMENT			<b></b>	ALC: A TANK OF A		<b>***</b>	***	7	ģ		(2) L			
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER				chments were prepared			//	/_ ^				TELEF	HONE	DATE
					that qualified personne		1/	/ //	W)				000 Tin T	457	0.00.00.4
G. J. Chiasson					person or persons who n			Λ	1(1)	[n .			985-773-7	15/	01/24/2014
Gulf of Mexico East Operations Ma					n, the information submitte aware that there are sign		910	INTAINS	RE OF PRIN	JCIDA!	EVECUTI	VE	ADEA	NUMBER	
TYPED OR PRIN					aware that there are significant and the significant are significant.				R OR AUTI				CODE	NUMBER	MO DAY YEAR
COMMENTS AND EXPLANATION		jaubiniting raise intollis	REFERENCE ALL ATTACH		imprisorment for Knowing	Fiorations.		77	ar On AOT	MINZE	- NOCINI		JODE		I MO DAT TEAR
If no discharge enter NODI-C for (		tion or oback hav at ton			i anter NODI-9 If naram	eter not detected, ente	r NODI=P								

PRODUCED WATER

Modely

PERMITTEE NAME/ADDRESS
Include Name/Location if different

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME			sidiary of Chevron Cor	poration)		-		3EG46 04				005 1			
•	100 Northpark Blv			,		-		COVER	AGE	L	DISC	HARGE N	JMBER		
	Covington, LA 704						NI.	UMBER						1	
FACILITY .	Mobile 917 "A & B					-	110		MONITO	HING		DAY	VEAD		
LOCATION	Mobile 917		-		****	FROM	MO 10	01	YEAR 13	то	MO 12	31 31	YEAR 13	NO DIS	CHARGED
	GASCO NECESSATION OF THE PARTY AND ADDRESS.	0	JANTITY OR LOADING			QUALITY OR CO	NICENTRAT	CION				NO.	EBEO	UENCY	SAMPLE
PARAMETER			JANTITI ON LOADING			QUALITIONOC	MOLITIMA	11014				EXC.		ALYSIS	TYPE
	Section 2	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MA	MUMIX		UN	IITS				
DECK DRAINAGE,	SAMPLE							0		(1	M)	0	ום	/DS	VI
FREE OIL	MEASUREMENT	A			* * ************	*							<i></i>	03	
82597 1 0 0	PERMIT REQUIREMENT	7.76	2 ·				MC			# D	AYS	545.34	S	MIT *	VISUAL
Effluent Gross Value	SAMPLE	155,995,000,000,000,000,000				953 (S) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	NAMES OF THE OWNER OWNER OWNE	ON O PALS	<b>4134905</b> ,203	# 13	ATS	NO PERSON	CONSTRUCT OF	IVIII PARTE	
· ·	MEASUREMENT														
	PERMIT	100				F37-30-22-34/95/48/3	14.3	A Section	#15500 B			经营运输出	Market Co. Carlot		0.000
	REQUIREMENT				10.00000000			10 W				10.11	4 47 8		and the second
	SAMPLE								1			1 1			
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NAME/TITLE PRINCIPAL EXE			y of law that this docume	nt and all attac	chments were prepared t	under my direction or		//		1	•		TELEP	HONE	DATE
			lance with a system desig				1	<b>'</b> / .	M			~	,		
G. J. Chiasson			on submitted. Based on my					ノイ	/{//,	11.	٠	_	985-773-7	157	01/24/2014
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Un 3/8/1/

GEG46 0492

PERMIT COVERAGE

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=B. If parameter not detected, enter NODI=B.

100 Northpark Blvd.

	Covington, LA 704	433						NUMBE	R	L				_	
FACILITY	Mobile 917 "A & B	) <sup>30</sup>							MONIT	ORING	PERIOD				
	,						MO	DAY	YEAR		MO	DAY	YEAR		
LOCATION	Mobile 917					, FROM	10	01	13	то	12	31	13	NO DIS	CHARGE
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G. J. Chiasson			on submitted. Based on m				1/	/	/W /	1		•	985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	nager		responsible for gathering				<b>Y</b> _	// (	////	/	T				
			f, true, accurate, and cor						OF PRIN					NUMBER	
TYPED OR PRI			nation, including the possib		imprisonment for knowing	violations.		OFFICE	R OR AUTH	HORIZE	D AGENT	•	CODE		MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS		REFERENCE ALL ATTACHI	MENTS HERE											

TCW FLUIDS

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#### PERMITTEE NAME/ADDRESS Include Name/Location if different

#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

NAME			sidiary of Chevron Co	rporation)				46 0492		007 1			
	100 Northpark Blv		·				PERMIT CO		L DISCI	HARGE N	UMBER	ļ	
e seu etc	Covington, LA 704 Mobile 917 "A & B					٠.	NUMB		ORING PERIOD		·	I	
FACILITY	WOOME 917 A & D					• .	MO DAY	<del></del>		DAY	YEAR		
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SANITARY WASTE.	SAMPLE		W. C	100	Section Control	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	^	SEMPLE SERVICE CONTRACTOR MANAGEMENT	(1M)				
·SOLIDS	MEASUREMENT			*****			0		` ′	0	DL	/DS	VI
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61944 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT		REPORT:	0=YES 1=NO		********					100	NTH	CERTIE
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	•		lance with a system design						1/,		985-773-7	167	01/24/2014
G. J. Chiasson			on submitted. Based on m responsible for gathering					/ (/ /L		\	362-113-1	10/	01/24/2014
Gulf of Mexico East Operations Ma	nayer		f, true, accurate, and co					BE OF PRIN	ICIPAL EXECUTI	VF	ARFA	NUMBER	
TYPED OR PRIN	ITFD .		r, true, accurate, and com nation, including the possib						ORIZED AGENT		CODE	···OHMALIT	MO DAY YEAR
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If no discharge, enter NODI=C for C					l, enter NODI=9. If param	eter not detected, ente	r NODI=B.						

SANITARY WASTE

W/18/14

GEG46 0492

PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

	100 Northpark Blv	/d.				·	PERMIT	COVERAGE	1	DISC	HARGE N	UMBER	1	
	Covington, LA 704	433					NU	IMBER					- ,	
FACILITY	Mobile 917 "A & E	P				•		MONIT	ORING	PERIOD			1	
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NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER	I certify under penalt	y of law that this docume	nt and all attac	chments were prepared i	under my direction or	,	7		`		TELE	PHONE	DATE
			fance with a system design					/ 1/	1	•				
G. J. Chiasson			on submitted. Based on m				4	10	1,	_		985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	inager		responsible for gathering f, true, accurate, and co				EICHI	ATURE OF PRIN	ICIDA!	EVECTIFI	VE	ADEA	NUMBER	
TYPED OR PRIF	NTED		nation, including the possib				OFF	FICER OR AUTH	MITAL MARIZE	D AGENT	v &	CODE	NOMBER	MO DAY YEAR
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If no discharge, enter NODI=C for					, enter NODI=9. If param	eter not detected, ente	r NODI=B. 🐧							

DOMESTIC WASTE

GEG46 0492

PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

Union Oil Company of California (Subsidiary of Chevron Corporation)

,,,,,,,	100 Northpark Blv			politically		•	PERMIT COVERAGE	DISCH	IARGE N	IUMBER C	HEMICAL	S ADDED
	Covington, LA 704	133	•		,	,	NUMBER					
FACILITY	Mobile 917 "A & E	и			• • • • • • • • • • • • • • • • • • • •		MONIT	ORING PERIOD				
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	Part Personal Control of	OL OL	JANTITY OR LOADING	•		QUALITY OR CO	ONCENTRATION		NO.	FREQUE	ENCY ·	SAMPLE
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1	PERMIT REQUIREMENT				er Galleting Control		<b>"我们是一种基础是不是</b>		1,32			
NAME/TITLE PRINCIPAL EXE			v of law that this docume	nt and all attac					AND PROPERTY.	TELEPH	LONE	DATE
NAME/TITLE FRINCIPAL EXE	OUTIVE OFFICER		lance with a system design					Ø		TELEFA	,ORE	UAIE
G. J. Chiasson	*		on submitted. Based on m					1	•	985-773-715	57 -	01/24/2014
Gulf of Mexico East Operations Ma	nager		responsible for gathering					m	<b>~</b>		-	
Can or woodo East Operations wa	agu.		if, true, accurate, and cor					CIPAL EXECUTIV	/E	AREA N	NUMBER	.
TYPED OR PRIN	NTED		nation, including the possib				OFFICER OR AUTH		-	CODE		MO DAY YEAR
COMMENTS AND EXPLANATION		The state of the s	REFERENCE ALL ATTACHI									
If no discharge, enter NODI=C for 0		tion or check box at to			enter NODI=9. If parame	eter not detected, ente	er NODI=B.					

MISCELLANEOUS

WASTES - NO

Myllen

GEG46 0492

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

	100 Northpark Blv	/d				_	PERMI	T COV	ERAGE	1	DISÇ	HARGE N	UMBER	CHEMICA	LS ADDED	
•	Covington, LA 70	433					N	NUMBE	R			**		_		
FACILITY -	Mobile 917 "A & E	3"				_			MONIT	ORING	PERIOD			]		
							MO	DAY	YEAR		MO	DAY	YEAR	]		
LOCATION	Mobile 917	·				FROM	10	01	13	то	12	31	13	NO DIS	SCHARGE [	
		e · Qu	JANTITY OR LOADING			QUALITY OR CO	NCENTRA	TION				NO.		UENCY	SAMPLE	
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G. J. Chiasson			on submitted. Based on m						// 1	1 1		•	985-773-7	157	01/24/2014	
Gulf of Mexico East Operations Ma	nager		responsible for gathering					//				-	<u> </u>			
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TYPED OR PRI			nation, including the possib		imprisonment for knowing	y violations.	1 0	FFICE	OR AUTH	HORIZE	D AGENT	·	CODE		MO DAY YEAR	R
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS	3	REFERENCE ALL ATTACH	MENTS HERE			•									

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REPORTS

PERMITTEE NAME/ADDRESS
Include Name/Location if different

EPA FORM 3320-1 FACSIMILE Rev. 4.2

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

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	Covington, LA 704	33				_ •		NUMBE	R'						
FACILITY	Mobile 917 "A & B	н -			•				MONIT	ORING F	PERIOD				
						-	MO	DAY	YEAR .		MO	DAY	YEAR	1 ·	
LOCATION	Mobile 917					FROM	10	01	13	1 то 1	12	31	13	NO DIS	SCHARGE []
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PARAMETER												EXC.	OF AN	IALYSIS	TYPE
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NAME/TITLE PRINCIPAL EX	ECUTIVE OFFICER				chments were prepared				)		2		TELE	PHONE	DATE
					that qualified personne			///	IXI	r v					
G. J. Chiasson					person or persons who n		- (	//	III	1	1_	—	9 <b>8</b> 5-77 <b>3</b> -7	157	01/24/2014
Gulf of Mexico East Operations Ma					, the information submitte		>	$\sim$							
					aware that there are sig				E OF PRIN					NUMBER	
TYPED OR PRI		submitting false informa			imprisonment for knowing	violations.	<u>L.</u>	OFFICE	OF AUTH	ORIZEC	AGENT	-	CODE		MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH					62	/						
If no discharge, check "No Dischar	rge" box at top right. If r	eporting not required thi	s period, enter NODI=9 in	ail applicable	reporting spaces. If parar	meter not detected, ent	er NODI=	B. P≅md	ustry-wide	study, Q	=Individ	al study.			

(NPDES)

GEG46 0495

PERMIT COVERAGE

PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

100 Northpark Blvd.

	Covington, LA 702	133				_		NUMBER	(	<u></u>					
FACILITY	Mobile 961 "Ptf 2"								MONIT	ORING	PERIOD				
							MO	DAY	YEAR		MO	DAY	YEAR		
LOCATION	Mobile 961					FROM	10	01	13	То	12	31	13	NO DIS	CHARGE [
			<del></del>					<b></b>		<b>.</b> -					
	CONTRACTOR OF	QL	JANTITY OR LOADING			QUALITY OR CO	NCENTE	RATION				NO.		JENCY	SAMPLE
PARAMETER	and the second second											EXC.	OF AN	ALYSIS	TYPE
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DRILLING FLUID, END	SAMPLE	**************************************	Selection of the selection		NODI=C					. (	(20)		٠.		
OF WELL, 96-HR LC50	MEASUREMENT		*******	*****			100						T. 20000000	<u> </u>	
04311 1 0 0	PERMIT				\$430000 See 1	W	(1995)		100			1000		EE N	GRAB
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DRILLING FLUID	SAMPLE				NODI=C	NODI=C	de e		<b>企业的</b> 约	(	(20)	l			·
96-HR LC50	MEASUREMENT	CERTAL CONTRACTOR	*******				MICEANING CALLEY	GASSESS ST. Available	SHITTER OF WELLTHANDS			ACCEPANCE WORKS	fantania ara	A market of the section	
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CADMIUM (CD), IN BARITE, DRY WEIGHT	MEASUREMENT				<b></b>		١ ١	-	C	1	(69)				
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FREE OIL	MEASUREMENT	*******				· · · · · · · · · · · · · · · · · · ·	ľ	10DI=	C	l '	,		<b>:</b>		
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DRILLING FLUIDS,	SAMPLE			(1N)		A A Property Color	<b>基份金融</b>	-		ATTENDATED A	Con and Street, etc., 254.	COLUMN PROPERTY	b (Company) Company	CONT. CONT. P. STOPPER	DOLLA CLANCE CANADATA CANADA CANADA AND CONTROL OF
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NAME/TITLE PRINCIPAL EXI			y of law that this docume		chments were prepared of	under my direction or	/	7~	1	Tr. chiarman.	y magazar 1000-1001	Large management.		HONE	DATE
			lance with a system design					/ 1/2	8V.			-			
G. J. Chiasson			on submitted. Based on my				V	1//					985-773-7	157	01/24/2014 -
Gulf of Mexico East Operations Ma	anager		responsible for gathering					$\mathscr{L}/\mathscr{A}$				-			
	-	knowledge and belie	f, true, accurate, and cor	nplete. I am	aware that there are sig	nificant penalties for	( SI	GNATUA	OF PRIN	ICIPAL I	EXECUTI	VE	AREA	NUMBER	
TYPED OR PRI	NTED	submitting false inform	nation, including the possib	ifity of fine and	imprisonment for knowing	violations.		ØFFIØER	OR AUTH	ORIZE	D AGENT		CODE		MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS		REFERÊNCE ALL ATTACHI							-					TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

**DRILLING FLUIDS** 

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GEG46 0495

PERMIT COVERAGE

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

	Covington, LA 704	133				_		NUMBER	}	<u> </u>				_	
FACILITY	Mobile 961 "Ptf 2"					_			MONITO	DRING F	PERIOD				
	***************************************						МО	DAY	YEAR		МО	DAY	YEAR	1	•
LOCATION	Mobile 961					FROM	10	01	13	то	12	31	13	NO DIS	CHARGE
								<u>.</u>		1 - F		L			
·	444	QL	JANTITY OR LOADING		<u> </u>	QUALITY OR CO	NCENTR	ATION				NO.	FREC	UENCY	SAMPLE
PARAMETER	and the second											EXC.	OF AN	IALYSIS	TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE		MAXIMUN			ITS				
DRILL CUTTINGS, END	SAMPLE	1		*****	NODI=C			*******	100	(:	20)				
OF WELL, 96-HR LC50	MEASUREMENT	Carrier Marie		*****			200								
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See Comments Below	REQUIREMENT		**************************************	**********	*DAILY MN	. 1	District Control	Shirt Jackson Line	200	~~~	PM	THE SECOND	PE	RMIT (Sa)	
DRILL CUTTINGS	SAMPLE	<b></b>	**************************************		NODI=C	NODI=C	100	*******		(2	20)				
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See Comments Below	REQUIREMENT			W. 1	DAILY MN. 12.			********	TEACHER		PM		ME ME	INTHIMEE	French 3
CADMIUM (CD), IN	SAMPLE						١	NODI=	C .	- (6	59)				
BARITE, DRY WEIGHT	MEASUREMENT				100	100 100 200			-			- CONTRACTOR CONTRACTOR	DESCRIPTION OF THE PARTY OF THE	pm pm 308 (\$72 br / 200A	***************************************
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MERCURY (HG), IN BARITE, DRY WEIGHT	SAMPLE MEASUREMENT	*******			200 Maria		<b>N</b>	4ODI=	С	, ,	59)				·
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	REQUIREMENT	SACRET SEE	200		To the War Ball.	Control of the Control			X 5 2 2 2						
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER		y of law that this docume						1 6	~			TELE	PHONE	DATE
		supervision in accord	dance with a system design	gned to assure	that qualified personne	al properly gather and			1 <i>//</i> /	/	•				
G. J. Chlasson			ion submitted. Based on my				1	7 /	77.	/ x '			985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	ınager		responsible for gathering							<u>~~</u>					
			f, true, accurate, and cor						OF PRIN			/E		NUMBER	
TYPED OR PRI		submitting false inform	nation, including the possib		imprisonment for knowing	g violations.		OFFICER	OR AUTH	ORIZE	AGENT		CODE	L	MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS		REFERENCE ALL ATTACH	MENTS HERE				_	_						

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

Union Oil Company of California (Subsidiary of Chevron Corporation)

100 Northpark Blvd.

DRILL CUTTINGS

AQUEOUS FLUIDS

Mallalid

GEG46 0495

PERMIT COVERAGE

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

100 Northpark Blvd.

	Covington, LA 702	133				_		NUMBEH					_	
FACILITY	Mobile 961 "Ptf 2"			•				N	ONITOR	NG PERIOD				
						-	MO	DAY Y	EAR	MO	DAY	YEAR	]	
LOCATION	Mobile 961					· FROM	10	01	13 1	0 12	31	. 13	NO DIS	SCHARGE
						•						4		
	Marian de la company	QL	JANTITY OR LOADING			QUALITY OR CO	ONCENTE	ATION			NO.	FREC	UENCY	SAMPLE
PARAMETER	Property of the second		* *								EXC.	OF AN	IALYSIS	TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE		MAXIMUM		UNITS	1			
DRILL CUTTIINGS, END	SAMPLE	THE WAY	200 A 200 A		NODI=C	TO SECURE TO SECURE TO	13.34		1.00	(20)				
OF WELL, 96-HR LC50	MEASUREMENT		1.0 · · · · · · · · · · · · · · · · · · ·		NODEC	********			1,457			l		l.
04311 1 0 0	PERMIT		10 To 10 To		\$2 \$4 30000 kg	Walson of St. Land	1 W 1 1					H-Var S	EE (NEW POR	GRAB
Gross Effluent Value	REQUIREMENT		77.00		A MINIMUM AND SE			2 9 9 9 5 5 S		PPM		PE	RMIT -	
DRILL CUTTINGS	SAMPLE		WEST AND SERVICE STREET	d literatur	NODI=C	NODI=C	19 B	delle de la	E. 18	(20))				
96-HR LC50	MEASUREMENT	3		**************************************	NODIEC	NODIEC	100							
04312 1 0 0	PERMIT	1960 1960 1960	Approved the second		30000	30000 **	****	<b>第</b> 5月的143	100		1000		ICE/	
Gross Effluent Value	REQUIREMENT		4		MINIMUM	MO AVG	<b>在</b> 基本	7		PPM	in the	LA MC	NTH	
STOCK BASE FLUID	SAMPLE	A CONTRACT OF	935 F 47 1	COLUMN BY	and the second			NODI=C		(1U)				
PAH	MEASUREMENT													
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STOCK BASE FLUID	SAMPLE	STATE TO A	300		The second second	1000年100年10日		IODI=C		(1U)				
SEDIMENT TOXICITY	MEASUREMENT	***********		••••			1	IUDI=U						
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Gross Effluent Value	REQUIREMENT	idea de marche de de				************	50 mm	ORTR MAX	1000000	RATIO	73-1204	PE	AMIT, AMA	
STOCK BASE FLUID	SAMPLE		The state of the s	Charles Service	Prince Court (1992)			IODI=C	.	(1U)	1			
BIODEGREDATION RATE	MEASUREMENT	(	5 5 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	12. <b>*****</b>				1001-0						
51116 1 0 0	PERMIT			100	Agent meeting	J		1.0			<b>建筑</b>	S S	EE AN A	CK REO
Gross Effluent Value	REQUIREMENT	Secretary and the second				And the same of the same		ORTRIMAX₩		RATIO		题 第PE	RMIT ***	G. Transfer Ch.
DRILL CUTTINGS,	SAMPLE	4.6	# 10 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x			3 (S. 111111)	l N	IODI=C	`	(1U)				
SEDIMENT TOXICITY	MEASUREMENT						1							
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Gross Effluent Value	REQUIREMENT	APPENDING THE PROPERTY.			Electrical and administration		ADVISED OF	DATR MAX	10 PROPERTY NAMED IN COLUMN TWO IS NOT THE PERTY NAMED IN COLUMN TWIND TWO IS NOT THE PERTY NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COL	RATIO	San Michael	ER SEPE	RMIT	<b>7</b>
DRILL CUTTINGS,	SAMPLE						l N	IODI=C	.	(9A)	1			
FORMATION OIL	MEASUREMENT	·		PACE TO SELECT AND PROPERTY.					On the state of		NAME OF TRANSPORT	OMETICAL STREET, ST. L.		
51118 P 0 0	PERMIT	X 5 - 4 4 2				the Nation of the	100	1900年		PASS=0		S	EE AWW.	* U. CK REQUAR
See Comments Below	REQUIREMENT						Same of the last	ORTB MAX	185 TEN	FAIL=1	**************************************	MAKE MITTER	- MILES	
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER		y of law that this documer				l /	// 1	~			IELE	PHONE	DATE
			lance with a system desig				//						457	04/04/0044
G. J. Chiasson			on submitted. Based on my				\ \ \ \ \ \		`/			985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	nager		responsible for gathering				$+/\lambda$	MATURE	TOWNS	AL EVECUE	11/5		Millianorn	
TYPED OR PRI	ITED		f, true, accurate, and con					SNATURE OF				AREA	NUMBER	
COMMENTS AND EXPLANATION			nation, including the possible REFERENCE ALL ATTACHN		imprisonment for knowing	violations.		OFFICER OR	MUTHUH	IZED AGEN	!	CODE	L	MO DAY YEAR
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P=GC/MS, Q=RPE, R=OLEFINS, S	DEEDIEMO, FUH LUSU	, REPURI LUWESI N	//UNITELY AVG. H&S: PEH	UENIEG, NAH	/100 G. WEI CUITINGS	. II IIU DISCNAIDE, ENIE	1 NODIIC	TO QUARTITY &	пи Совсе	niration of cf	неск рожа	i top right.	ii reponing i	not required this

period, enter NODI=9. If parameter not detected, enter NODI=B.

DRILL CUTTINGS

003 1

W/12/14

### PERMITTEE NAME/ADDRESS Include Name/Location if different

# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME	Union Oil Compar	ny of California (Sub	sidiary of Chevron Col	poration)		_	GEG46 0495	l L	003 1	NA	F
	100 Northpark Blv	rd.					PERMIT COVERAGE	DI	SCHARGE N	UMBER	
	Covington, LA 704	133				-	NUMBER				•
FACILITY	Mobile 961 "Ptf 2"					-	MONITO	ORING PERIC	00		
					,	•	MO DAY YEAR	MC	O DAY	YEAR	
LOCATION	Mobile 961					FROM	10 01 13	TO 12	2 31	13	NO DISCHARGE 🛘
		·1	ANTITY OR LOADING		<del></del>	OUN ITY OD O	ONCENTRATION		1 100	FREQUE	NCY SAMPLE
PARAMETER		QU.	ANTITY OR LOADING			QUALITY OF CO	JINGENTRATION		NO. EXC.	OF ANAL	
ANAMETER	<b>67</b>	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		0174012	1010
DRILL CUTTINGS,	SAMPLE	250 Chts (\$20 8 70 C)	The state of the state of the state of	PARTY PARTY		SECOND STATE OF STREET	NODI=C	(9A)			***************************************
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51118 Q 0 0	PERMIT			100	18 - 25 C 18 1	20 B 10 B 10 B	34412 4-014 GF 2	PASS=0		ONCE	/ GRAB
See Comments Below	REQUIREMENT						WKLY MAX	FAIL=1	400	WEEK	
DRILL CUTTINGS	SAMPLE		**************************************			NODI=C		(23)			
BASE FLUIDS RETAINED 51120 R 0 0	MEASUREMENT : PERMIT					6.9	STATE SHOWS AND STATE OF THE ST		DOWNERS AND A STATE OF THE PERSON OF THE PER	BURNOW CEE	STORE PROBLEMENT
See Comments Below	REQUIREMENT	********	18 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		4	A##GRTR'AVG	*******	PERCENT	т 📗	PERM	GRAB:
DRILL CUTTINGS	SAMPLE			Calcolor A		1		(23)	· participant	entage scorrage and (see )	Total and the second se
BASE FLUIDS RETAINED	MEASUREMENT	2				NODI=C		` ′			*
51120 S 0 0	PERMIT '	45.6			20, 14, 15	9.4		•		WW.SEE	
See Comments Below	REQUIREMENT			2		ORTRAVG		PERCENT	T MARKET	> PERMI	
CADMIUM (CD), IN	SAMPLE		To the constant of				NODI=C	(69)			
BARITE, DRY WEIGHT	MEASUREMENT					********	3.0		Fertel/estatule	WWW.TWOLES	STATE OF THE PROPERTY OF THE PA
78244 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT						QRTR MAX	MG/KG		DEBMI	CK/REQ!
MERCURY (HG), IN	SAMPLE				The second second second second second			(69)	CES-222 500469	(2002) 25cm (-1-1) 11411	12 Septembries Chromosophistic Chromosophis
BARITE, DRY WEIGHT	MEASUREMENT	()		. , y			NODI=C	(***,		٠.	
78245 1 0 0	PERMIT	2400760402-1021	L. 35 45 76 12 12 14 16 16	100			1.0				CK'REQ'
Effluent Gross value	REQUIREMENT		<b>1</b>		74		QRTR MAX	MG/KG	10000	PERMI	T- LAC DE LAGRES DE
DRILL CUTTINGS,	SAMPLE	Carlo Later and the				7.7	NODI=C	(1M)			
FREE OIL	MEASUREMENT	*********	<u> </u>			********	THE STATE OF STREET AND ADDRESS OF STREET		2018.70.7075.20	SAUVINE : ON IOF	J. Davison of Chicago, a month of the ord
82595 1 0 0	PERMIT REQUIREMENT				*******		QTF TOTAL **	# DAYS			/ VISUAL!
Effluent Gross Value DRILL CUTTINGS,	SAMPLE			(1N)	TOTAL STATE OF THE		THE RESERVE OF THE PARTY OF THE	53/44880-4938		SASSESSAN CEL	AND THE PROPERTY OF THE PROPER
VOLUME	MEASUREMENT .	NODI=C	NODI=C	(,	25.						
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Effluent Gross Value	REQUIREMENT	CORTH AVG	REPORT PART OF THE PROPERTY OF	BBL	ratio terms and	1.03 (2000000)	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.32			Alex B Late 1995 A.
NAME/TITLE PRINCIPAL EX	ECUTIVE OFFICER		of law that this docume					#	4	TELEPHO	ONE DATE
			ance with a system design					•			
G. J. Chiasson			on submitted. Based on m					~~		<del>98</del> 5-773-7157	01/24/2014
Gulf of Mexico East Operations M	anager		responsible for gathering					CIDAL EVEC	LITO/E	AREA NI	JMBER
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P=GC/MS, Q=RPE, R=OLEFINS,					7/100 G. WET CUTTINGS	. If no discharge, ente	r NODI=C for Quantity and Co	ncentration o	r check box a	t top right. If re	porting not required this
period, enter NODI=9. If paramet						g.,				- a · · · ·	
		•					h				,

Mobile 961

NAME

**FACILITY** LOCATION

DISCHARGE MONITORING REP	(אשט) ואטי	!							
					_			•	PRODUCED WATER
Union Oil Company of California (Subsidiary of Chevron Corporation)			GEG46	0495			004 1		
100 Northpark Blvd.		PERM	VIT COVE	RAGE	]	DISCH	ARGE N	UMBER	l
Covington, LA 70433			NUMBER	1					
Mobile 961 "Ptf 2"				MONITO	DRING	PERIOD			
·		MO	DAY	YEAR		MO	DAY	YEAR	
14 19-004	50011	4.0		4.0	1	4.0	24	4.5	NO DICCULADORI

PARAMETER		QL	JANTITY OF LOADING			QUALITY OR CO	ONCENTRATION.		NO. EXC.	FREQU OF AN		SAMPLE TYPE
	349 LL LN SC	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1			
NOEC STATRE 7DAY CHR	SAMPLE	·	<b>电线型制度</b>		NODI=C		Total Control of Tax	(23)				
MYSID, BAHIA	MEASUREMENT						the second second section is					
TBP3E 1 0 0	PERMIT		<b>37</b> 1 - 3 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4	** Table 1	A PAR REPORTA	AND THE RESERVE AND A SECOND			4.4	SE SE	E	CK-REQ ()
See Comments Below	REQUIREMENT			*****	MINIMUM	40.00	A Property of the Party of the	PERCENT	<b>经发现的</b>	PER	MIT	
NOEC STATRE 7DAY CHR	SAMPLE	gradient de la consta	- 1		NODI=C	M	48 year 100 100 100 100 100 100 100 100 100 10	(23)	1			
MENIDIA	MEASUREMENT	2 Tanasa St. 18							20 (G. Se/00" exten	/ K.MAKERGOOD, T. P.	man nasi sa dinana diwak	and the least of the least of the
TBP6B 1 0 0	PERMIT		***************************************	10 10 10 11	A PEPORT OF	4	30 Sept. 10	nenoetie.	1142	St		CK REQ
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CRITICAL DILUTION	SAMPLE	Carrie Mark	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		NODI≖C			(1U)	ĺ			
FACTOR	MEASUREMENT	Resident Statement Committee	Control of the Contro	100	REPORT		The Committee of the Co		400364340.02403	make retire of	- r-:::::::::::::::::::::::::::::::::::	**********
80093 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT				MOMIN	Y		RATIO	98.0	500	C No.	. CK-REQ
PRODUCED WATER.	SAMPLE	The street was been also the	TOTAL A STREET AND	Part Barrett Co. Set	Person State of Control of Contro	The state of the s	I	(19)	OBSTRUMBER OF	Madescont Ch	ALL CAST SECTION	WHAT HE STREET, SHEET WAS
OIL AND GREASE	MEASUREMENT	2.2	Design Commence of the co			NODI=C	NODI=C	(19)		١.		
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Effluent Gross Value	REQUIREMENT	********		30.0	*******	MO AVG	DAILY MX	MG/L		ON MOI	JTH.	
PRODUCED WATER.	SAMPLE	and Colour Microsyllates and an order to		(1T)	OR ROSE CONTRACTOR			THE PERSON NAMED IN		Section of the sectio	* CONTROLEMENT	AND A PURE COLUMN STATE OF THE SAME AND A SAME AS A SAME
FLOW	MEASUREMENT		NODI=C	, ,								
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Effluent Gross Value	REQUIREMENT	F	ORTR MAX	BBL/DAY		********			A	MON	THE WAR	4 (10)
	SAMPLE					PROPERTY CONTRACTOR OF THE PROPERTY CONTRACTOR O						
	MEASUREMENT	. *			<u>'</u>							
	PERMIT		Charles to the Control		Carrier St. 12 Percentage	section that was a	CONTRACTOR OF THE SAME		100000	54 C. 101	建设计划	。是是其中的国际政治的
	REQUIREMENT	Later Commence					Section 1997		1000			
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	MEASUREMENT											
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G. J. Chiasson			ion submitted. Based on m				1 V ///1 K	1		985-773-71	57	01/24/2014
Gulf of Mexico East Operations Ma	nager		responsible for gathering									
			f, true, accurate, and cor				SIGNATURE OF PRIN				NUMBER	
TYPED OR PRIN		submitting false inforr	nation, including the possib		imprisonment for knowing	violations.	OFFICER OR AUTH	IORIZED AGENT		CODE		MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS		. REFERENCE ALL ATTACH	MENTS HERE			<i>\(\begin{array}{cccccccccccccccccccccccccccccccccccc</i>					

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=8.

Mappill

### PERMITTEE NAME/ADDRESS Include Name/Location if different

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME	Union Oil Compan	y of California (Sub	_		GEG46 0495			005 1						
	100 Northpark Blv	d.				_	PERMIT COVERAGE					UMBER		
	Covington, LA 704	33	,			-	N	UMBER						
FACILITY	Mobile 961 "Ptf 2"				_		· MON	ITORING	PERIOD					
						•	MO-	DAY YEA	R	MO	DAY	YEAR		
LOCATION	Mobile 961					FROM	10	01 13	ТО	12	31	13	NO DIS	CHARGE□
	the state of the s	011	ANTITY OR LOADING	QUALITY OR CO		NO.		FREQU	IENCY	SAMPLE				
PARAMETER	er medical process in	90	VIALLE OU FOYDING		QUALITY ON CONC					EXC.		OF AN		TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			JNITS	1 -/			
DECK DRAINAGE,	SAMPLE	2.3 M - A 11 - 2 M - 2		36.78	(#4.54##################################			n		(1M)	_	DI.	ne	VI
FREE OIL	MEASUREMENT	14.2	10 mg	La Comment				U			0	DL	U3	VI
82597 1 0 0	PERMIT	10 miles (10 mil	Mark Commence		a diservice de la fin		1.00	0.00			<b>14</b> 50	SI PEF	Ethicketal	/ VISUAL
Effluent Gross Value	REQUIREMENT			*****		and the same	MC	DITOTAL	#	DAYS	44.5	SAMPER SAMPER	MIT	
	SAMPLE													
	MEASUREMENT										7.7.	23. 220. 000.	V SECTION SECTION SEC	
	PERMIT				100	4.33.43.63	ere g Li							
-	REQUIREMENT SAMPLE	COLUMN HOMELOWING		<b></b>	43874345424741349141	THE PARTY OF THE P	apa di s		SERVE .		B476127490	<b>经验证的</b>	HERMANIC	
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	REQUIREMENT	See See See See See See See See See See				**************************************	2.1 - 10 K	5-5-25-4-A						
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	REQUIREMENT							A			会を発力され	Strate Teacher		Man Book Sees
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I certify under penalty of law that this document and all attachments v							/	JAA		•	•	TELEP	HONE	DATE
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G. J. Chiasson					person or persons who n		1	ノレノ	/_	<b></b>		985-773-71	21	01/24/2014
Gulf of Mexico East Operations Mai	nager				, the information submitte		1000	ATURE OF P	UNICIDAL	EVECUT	N/E	ADEA	NUMBER	
TYPED OR PRIN	ITEN				aware that there are sig							CODE	NUMBER	MO DAY YEAR
COMMENTS AND EXPLANATION												MO DAT TEAR		

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

DECK DRAINAGE

Mallalla

GEG46 0495

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

•	100 Northpark Blv	00 Northpark Blvd.							'ERAGE		DISC	HARGE N	UMBER		
	Covington, LA 704	133						NUMBE	R						
FACILITY	Mobile 961 "Ptf 2"					MONIT	ORING	PERIOD							
	,						MO	DAY	YEAR		MO	DAY	YEAR		
LOCATION	Mobile 961	FROM	10	01	13	] то	12	31	13	NO DIS	CHARGE				
	Particular designation	- OI	JANTITY OR LOADING	CHALITY OR CO			I NO.	FOE	UENCY	SAMPLE					
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			lance with a system design												
G. J. Chiasson			on submitted. Based on my					$X \cdot I$	′// V .	イヘ		***************************************	985-773-7	157	01/24/2014
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Union Oil Company of California (Subsidiary of Chevron Corporation)

TCW FLUIDS

W2/18/14

GEG46 0495

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

	100 Northpark Blv	/a.				_	PERMI	T COVE	RAGE	1	DISC	HARGE N	UMBER	_		
	Covington, LA 704	433		-	N											
FACILITY .	Mobile 961 "Ptf 2"								MONIT	ORING I	PERIOD			]		
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LOCATION	Mobile 961			FROM	10	01	13	] то [	12 .	31	13	] NO DIS	SCHARGE [			
		QUALITY OR CO	NO. EXC.			FREQUENCY		SAMPLE								
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G. J. Chiasson Gulf of Mexico East Operations Ma			on submitted. Based on m				V.	//!	ソン		<u> </u>		985-773-7	157	01/24/2014	
duil of Mexico cast Operations Ma	mayer		responsible for gathering f, true, accurate, and co			tted is, to the best of my significant penalties for SIGNATURE OF PRINCIPAL EXECUTIVE AREA					AREA	NUMBER				
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COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH		priceration to anothing					,				·	1 110 001 12	133

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

Union Oil Company of California (Subsidiary of Chevron Corporation)

SANITARY WASTE

NEDES)

GEG46 0495

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

•	100 Northpark Blv	rd.	_	PERMIT COVERAGE DISCHARC						UMBER					
	Covington, LA 704							NUMBE	R						
FACILITY	Mobile 961 "Ptf 2"					_	MONITORING PERIOD								
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LOCATION	Mobile 961	Mobile 961							13	то	12	31	13	] NO DIS	SCHARGE []
	- j	QUALITY OR CONCENTRATION NO. F									SAMPLE				
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NAME TITLE PAINCIPAL EXE	AME/TITLE PRINCIPAL EXECUTIVE OFFICER I certify under penalty of law that this document and all attachments were prepared to supervision in accordance with a system designed to assure that qualified personnel.							//:	100	)		~	1===	FHONE	DATE
G, J. Chiasson	•						/	///	///// *				985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	evaluate the information submitted. Based on my inquiry of the person or persons who ns Manager those persons directly responsible for gathering the information, the information submit									11	<b>へ</b>	-	ł		
			f, true, accurate, and cor					SIGNATURE OF PRINCIPAL EXECUT				AREA NUMBE			
TYPED OR PRI		submitting false inform	nation, including the possib	ility of fine and				OFFICE	R OR AUT	HORIZE	D AGENT	Γ	CODE	<u></u>	MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACHI					$\mathcal{L}_{\mathcal{L}}$							
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DOMESTIC WASTE

M/8/14

### PERMITTEE NAME/ADDRESS Include Name/Location if different

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME	Union Oil Compan	y of California (Sub		GEG	346 0495	7		009 1		WASTES	NO .					
	100 Northpark Blvd.					-	PERMIT CO	OVERAGE	7	DISCHARGE			E NUMBER CHEMICALS			
	Covington, LA 704	133				•	NUM	BER					•			
FACILITY	Mobile 961 "Ptf 2"					<b>-</b>		MONIT	TORING PERIOD				1			
•							MO DA	Y YEAR		MO	DAY	YEAR	]	*		
LOCATION	Mobile 961			FROM	10 01	13	ТО	12	31	13	NO DIS	CHARGE				
	Marie Control	QU	IANTITY OR LOADING					NO.	FREC	UENCY	SAMPLE					
PARAMETER								EXC.		OF ANALYSIS		TYPE				
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIN	MUM		VITS						
MISC. DISCHARGES,	SAMPLE			<b></b>	4	15-70 ************************************	NOD	I=C	(	IM)				٠.		
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	REQUIREMENT	The state of									******					
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	SAMPLE		***************************************													
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NAME/TITLE PRINCIPAL EXE	ECOTIVE OFFICER		y of law that this docume					1 4	7			TELE	PHONE	DATE		
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Gulf of Mexico East Operations Ma	anager		responsible for gathering				1 / /	' / /V /.		~		985-//3-/15/		01/24/2014		
			f, true, accurate, and cor								VE	AREA	NUMBER			
TYPED OR PRI	NTED	submitting false inform	ation, including the possib											MO DAY YEAR		
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If no discharge, enter NODI=C for	Quantity and Concentra	tion or check box at top	right. If reporting not requ	ired this period	, enter NODI=9. If param	eter not detected, ente	r NODI=B.									

MISCELLANEOUS

M2/19/14

GEG46 0495

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

	100 Northpark Blv	rd.	•				PERMIT CO	VERAGE	1	DISC	HARGE N	UMBER	CHEMICAL	S ADDED
	Covington, LA 70-	433					NUMB	ER	1					
FACILITY	Mobile 961 "Ptf 2"					-		MONIT	ORING	PERIOD				
		•				-	MO DAY	YEAR	1	МО	DAY	YEAR		
LOCATION	Mobile 961					FROM	10 01	13	то	12	31	13	NO DIS	CHARGE []
		( QL	JANTITY OR LOADING			QUALITY OR CO	NCENTRATION				NO.		UENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIM		T 11	NITS	EXC.	OF AN	ALYSIS	TYPE
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Effluent Gross Value	REQUIREMENT	***************************************				**************************************	мото	TAL	# (	DAYS	W 25 12	V PE	MIT &	ALM THE PER
MISC. DISCHARGES,	SAMPLE	******		(1T)		Section 1994		and the total			CAT STATE OF THE	AND 121 1/0 1/1		
FLOW	MEASUREMENT		. NODI=C	, ,	2		The distance		1.					
74076 1 0 0	PERMIT	CONTRACTOR AND ADDRESS.	REPORT #4	,	And SANSAGE ST	44 THE RES	4.7	NA APRIL		6.4	100	NO <sub>N</sub>	CE/通過	ESTIMA
Effluent Gross value	REQUIREMENT	3	ORTR MX	BBL/DAY		52 Ca. (1) (1) (1)			4	TOTAL CONTRACT		MO	NTH WAS	and the second
CRITICAL DILUTION	SAMPLE	Grant Control	100		NODI=C	and the second	and the second		(	1U)				
FACTOR	MEASUREMENT	A CONTRACTOR OF SALES				APPENDING COLUMN	The Figure Survey					1000 100 min 102 A		Singer and a second
80093 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT	7.55		******	REPORT MOMIN				_	ATIO			RMIT	CK REQ
Elitterit Gross Value	SAMPLE			TOTAL DESIGNATION SAID	AND MINERAL SECTION	Printed by the Leader of the printed	Off Water Park	OF STREET		MIIO	222200000000	SSSSSS CELE	TIVII PRESENTA	CALL TO SERVICE STREET, SERVIC
·	MEASUREMENT													•
	PERMIT	Called Sales and	Carlo Constitution			200	Company of Advan	78.794	1		<b>建筑建</b>	A Secret	NAME OF BRIDE	
	REQUIREMENT						3 Mar. 1	Section 69			12.4	and the second		Street E.L.
	SAMPLE													
	MEASUREMENT								1					,
,	PERMIT		Professional State of the Contract of the Cont			200						6.0	100	STATISTICS.
NAME/TITLE PRINCIPAL EXE	REQUIREMENT		y of law that this docume	at and all alte					L		£ 3.7%,		PHONE	DATE
NAME/TITLE PAINCIPAL EXE	COTIVE OFFICER		dance with a system design					10			. 🗢	IELE	TONE	DATE
G. J. Chiasson			ion submitted. Based on m				. 6	7 ) B) '	1/1			985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	anager		responsible for gathering					~/y_	~~	_				
			of, true, accurate, and cor				SIGNATU	RE OF PRIN	ICIPAL	EXECUTI	VE	AREA	NUMBER	
TYPED OR PRI	NTED		nation, including the possib					ENOR AUTH				CODE		MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS		REFERENCE ALL ATTACHI						~~~					
FOR NOEC, REPORT LOWEST N	MONTHLY AVG. If no di	scharge, enter NODI=0	ofor Quantity and Concentry	ration or check	box at top right. If reporting	ng not required this per	iod, enter NODI=	9. If parame	ter not o	letected,	enter NOE	)I=B.	•	

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PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

·	100 Northpark Blv	/d.				*	PERM	IIT COV	ERAGE		DISC	HARGE N	UMBER		
	Covington, LA 70-	433				•	ľ	NUMBE	R					•	
FACILITY	Mobile 961 "Ptf 2"					-			MONIT	ORING	PERIOD				
						•	MO	DAY	YEAR	T	MO	DAY	YEAR	]	
LOCATION	Mobile 961					FROM	10	01	13	то	12	31	13	NO DIS	CHARGE □
		il QL	JANTITY OR LOADING			QUALITY OR CO	ONCENTRA	ATION				NO.	FREQ	UENCY	SAMPLE
PARAMETER	August 18 Comment		Y			<del>-</del>						EXC.		ALYSIS	TYPE
,	MARKET ALLERS	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	M	UMIXAN	M	UI	VITS	1 .			
Cooling Water	SAMPLE	4	Comment of the commen	4.54			N	IODI=		(	9P)				
Baseline Study	MEASUREMENT		*******					<b>ODI-</b>		1					
85869 P 0 0	PERMIT					1000	2000	4%0)			YES	100	r, ,≪ar ∵S	EE	CKREQ
Effluent Gross Value	REQUIREMENT			Arthur M. Donner			CALL SAN N				=NO	1,020,000	PE	BMIT	
Cooling Water Baseline Study	SAMPLE MEASUREMENT					*******	N	ODI=	=C	'	9P)				
85869 Q 0 0	PERMIT	CONTRACTOR CONTRACTOR CONTRACTOR	THE RESERVE OF STREET		The second second second second	Company of the Compan	Safetinis and Safetini Asia	MATO LOS	Acres Maria	al	YES	Santa Colore	MARKET NO.	EEFWERE	/≪NCK!REQ®
Effluent Gross Value	REQUIREMENT	A	*******				l v	MAXIM	ML TO		=NO	7,757	PER		200
BMP Plan	SAMPLE	C. S. J. S. W. (Sec. 19)				Carlo de Car	1				9P)		CONTRACT CONTRACT OF THE	ANALI SCHOOLSCOTT	autorization (Control of the Control
Certification Submittal?	MEASUREMENT					2	N	IODI:	=9	Ι,	,	1			
85873 1 0 0	PERMIT	5472774262	Tarrell March State (1)		100		1940年前	* 6,02.°		0≃	YES	78.73	9年32世8	EE # # # RMIT	CK REQ
Effluent Gross Value	REQUIREMENT		*******	2	*******	48		UMIXAN	Marie	1:	=NO	200	PE	AMITA:	
	SAMPLE								,						
	MEASUREMENT PERMIT	Mary and the removement of the state of the State of	HADIS SOUTH CAMPAGE THAT IS TO THE STATE		Standard - the same standard life standards	e MONTANGAN NA PANTANGAN AND AND AND AND AND AND AND AND AND A	0.000 S 0.000 C 0.000 S		otugo eserbados es			) CHARLES	CARLETA NATO-LATIN G	and the course	erint ricket obligation street to a color
	REQUIREMENT	797 <b>34</b> 7. 10 77 4					7 . 100		11,000				via dina		200212
	SAMPLE	Bit happy of Street, State 18 (17) his	PALALLY CARROLL AND AND AND AND AND AND AND AND AND AND			CONTRACTOR OF THE PROPERTY OF	TORREST VICE CONTRACT	acreses care	G. SANGERO SANG	-		E-WHITE DISTRICT	ACRES SERVICES	eneren en enere	A Property Commence of the Com
	MEASUREMENT	· .													
	PERMIT	Committee Committee					A STATE OF	THE STATE		Ĭ		A CONTRACT	\$15.00 MIN	16-1-12-2	WHILE SERVE
	REQUIREMENT								jit g		~1		345	14	
	SAMPLE									-					
	MEASUREMENT								The same was a same same same same same same same	,					-
	PERMIT	Contract to the second						# 4 H	200			100 C			
	REQUIREMENT SAMPLE		STORES STORE			tar diketan Sasa	a facilitation of the control	en Sin	Contract of the	<u> </u>			Transport of the second		CONTRACTOR OF STREET
	MEASUREMENT		,										l		
	PERMIT	10.000.200.200.200.000		ł		And Real Control of the Control	MALARIA (A.C.)	1907 State 181		1		265 202 36	VEES-38-96793	e de la composição	PERSONAL PROPERTY AND THE
	REQUIREMENT						100					1. 105		nes e	
- NAME/TITLE PRINCIPAL EXE		I certify under penalt	y of law that this docume	ent and all attac			go pa and the order	7		·		Tarabana Market		HONE	DATE
***************************************		supervision in accord	lance with a system desi-	gned to assure	that qualified personnel	properly gather and	1	71				٠.			
G. J. Chiasson			on submitted. Based on m				(/	110	// '/				985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	nager		responsible for gathering				X	17		<u> </u>	$\sim$				,
			f, true, accurate, and co						E OF PRIN					NUMBER	
TYPED OR PRIN			nation, including the possit		imprisonment for knowing	violations.		DEFICE	OR AUTH	HORIZE	AGENT	-	CODE		MO DAY YEAR
COMMENTS AND EXPLANATION If no discharge, check "No Discharge			REFERENCE ALL ATTACH		connection annual of the	notes ant dataged	or NODE of	1	funta wâda	aturb.	_Indici-i-	in Laturati			
II IIU GISCHAIGE, CHECK IND DISCHAF	ue woxaaloo nunt. If I	ieporung not reguired (f	iis period, enter N∪DI#9 II	ı an applicable i	eporting spaces. If Darar	netel noi delected, ent	e: !YUU!#D	~ = INQ	sustry-wide	SIUUY. C	=#IUIVIOL	Jan Study.			

REPORTS

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PERMITTEE NAME/ADDRESS Include Name/Location if different

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME	Union Oil Compan 100 Northpark Blv Covington, LA 704	d	sidiary of Chevron Co	orporation)		<u>-</u>	GEG46 PERMIT COV	ERAGE	DISCI	001 1 HARGE N	AQUEOL	JS
FACILITY	Mobile 904 "AW, A					<del>-</del> .	NOMBL		ORING PERIOD	***************************************		
						•	MO DAY	YEAR	MO.	DAY	YEAR	,
LOCATION	Mobile 904				***************************************	_ FROM	10 01	13	TO 12	31	13 NO D	ISCHARGE 🗆
DAGAMETER		QU.	ANTITY OR LOADING	<u>-</u>		QUALITY OR CO	DICENTRATION			NO.	FREQUENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUI	M	UNITS	EXC.	OF ANALYSIS	TYPE
DRILLING FLUID, END	SAMPLE				NODI=C				(20)		***************************************	
OF WELL, 96-HR LC50	MEASUREMENT	*******	*******			*******	******					
04311 1 0 0	PERMIT	******		*****	30000		******				SEE	GRAB
Effluent Gross Value	REQUIREMENT	******	*******		DAILY MN		******		PPM		PERMIT	
ORILLING FLUID 96-HR LC50	SAMPLE MEASUREMENT			*****	NODI=C	NODI=C	******		(20)			1
04312 1 0 0	PERMIT			+	30000	30000					ONGE/	GRAB
Effluent Gross Value	REQUIREMENT				DAILY MN	MOAVG	*******		PPM		MONTH	GINAD
CADMIUM (CD), IN	SAMPLE			1		77.7	NOOL	^	(69)	200000000000000000000000000000000000000		
BARITE, DRY WEIGHT	MEASUREMENT	******		*****	******	******	NODI=	=C	(/	i i		
78244 1 0 0	PERMIT			7			3.0				SEE	CK REQ
Effluent Gross Value	REQUIREMENT	******	*******	******	*******	*******	QATA M	Ąχ	MG/KG		PERMIT	
MERCURY (HG), IN	SAMPLE						NODI=	-C	(69)			
BARITE, DRY WEIGHT	MEASUREMENT	*******	*******		******	*******						
78245 1 0 0	PERMIT						1.0				SEE	CK REQ
Effluent Gross Value	REQUIREMENT	******		*****	*******	*******	QRTR M	4X	MG/KG		PERMIT	
DRILLING FLUIDS,	SAMPLE	******	******		*******	******	NODI=	:C	(1M)			
FREE OIL	MEASUREMENT		******	4 """	******							
82589 1 0 0	PERMIT	******		*****	*******		0				ONCE PER	VISUAL
Effluent Gross Value	REQUIREMENT			* *************************************	******	******	ata tot	AL	# DAYS		WEEK	
DRILLING FLUIDS,	SAMPLE		NODI=C	(99)	*******	*******						
DISCHARGE RATE	MEASUREMENT PERMIT		1000								DAILY	ESTIMA
82592 1 0 0 Effluent Gross Value	REQUIREMENT	*******	MX HR RT	BBL/HR	******	*******	*******		*****		DAILI	ESTIMA
DRILLING FLUIDS.	SAMPLE			(1N)								+
VOLUME	MEASUREMENT	NODI=C	NODI=C	1 ''''	*****	*******	******		*****			ŀ
82594 1 0 0	PERMIT	REPORT	AEPORT								ONCE	ESTIMA
Effluent Gross Value	REQUIREMENT	GRTR AVG	MO TOTAL	BBL	*******	*******	*******		,,,,,,		MONTH	
NAME/TITLE PRINCIPAL EXE					hments were prepared	under my direction or		<u> </u>			TELEPHONE	DATE
					that qualified personne			2011		•		
G. J. Chiasson		evaluate the information	n submitted. Based on r	ny inquiry of the	person or persons who r	manage the system, or		1 //	_		985-773-7157	01/24/2014
Gulf of Mexico East Operations Ma					, the information submitte		X					
					aware that there are si				CIPAL EXECUTI		AREA NUMBER	
TYPED OR PRIN		submitting false inform			imprisonment for knowing	g violations.	OFFIGER	TUA ROF	ORIZED AGENT		CODE	MO DAY YEAR
COMMENTS AND EXPLANATION		i	REFERENCE ALL ATTAC									
If no discharge, enter NODI=C for (	Quantity and Concentral	tion or check box at top	right. If reporting not rec	juired this period	, enter NODI=9. If param	neter not detected, ente	r NODI=B.	ē				

DRILLING FLUIDS

Wylelfy W

GEG46 0501

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

	100 Northpark Blv	rd	******				PERM	MIT C	OVERAG	ε	DIS	CHARGE	NUMBER		
	Covington, LA 704	433						NUN	<b>MBER</b>						
FACILITY	Mobile 904 "AW,	AP, AQ, & AB"				-			M	ONITORIN	G PERIO	)		7	
		· .			***************************************	- ·	МО	D,	AY YE	AR	MO	DAY	YEAR	7	
LOCATION	Mobile 904					FROM	10	С	)1	13 TC	12	31	13	_ NO D	ISCHARGE 🗆
		QL	JANTITY OR LOADING		<u> </u>	QUALITY OF CO	ONCENTR	TATIO	ON			NO.	FRE	QUENCY	SAMPLE
PARAMETER		AVERAGE	I MAXIMUM	UNITS	MINIMUM	AVERAGE		MAN	IMUM	·	UNITS	EXC.	OF,	ANALYSIS	TYPE
DRILL CUTTINGS, END	SAMPLE			UNITS			'	vanista.	**********		(20)		+		
OF WELL, 96-HR LC50	MEASUREMENT	******		*****	NODI=C	******		•••	****		(20)				
04311 1 0 0	PERMIT				30000							100		SEE	GRAB
See Comments Below	REQUIREMENT	******	******		DAILY MN	*******		•••	*****		PPM			ERMIT	
DRILL CUTTINGS	SAMPLE	*******	++++++		NODI=C	NODI≡C			.,,,,		(20)				
96-HR LC50	MEASUREMENT														
04312 1 0 0	PERMIT				30000	30000								INCE/	GRAB
See Comments Below	REQUIREMENT	*******	*******	*****	DAILY MN	MO AVG		•	****		PPM		, N	ONTH	
CADMIUM (CD), IN	SAMPLE	******	*******		*******	******		ION	DI=C		(69)				
BARITE, DRY WEIGHT	MEASUREMENT			4								30000000000000000000000000000000000000			
78244 1 0 0	PERMIT	******	*******	*****	******	*******	,		3.0		MORZO			SEE	CK BEQ
Effluent Gross Value MERCURY (HG), IN	REQUIREMENT SAMPLE						***************************************		R MAX	-	MG/KG (69)			ERMIT	
BARITE, DRY WEIGHT	MEASUREMENT	*******	*******	*****		*******	· N	101	DI=C	- 1	(69)				
78245 1 0 0	PERMIT			-		-			0					SEE	CKREO
Effluent Gross Value	REQUIREMENT	******			******	******			R MAX		MG/KG		F	ERMIT	01111111
DRILL CUTTINGS.	SAMPLE	******			******	*******				240078007	(1M)				
FREE OIL	MEASUREMENT	-		*****			I,	VOI	DI=C						
82595 1 0 0	PERMIT								0					INCE/	VISUAL
Effluent Gross Value	REQUIREMENT	*******	*******	*****	******	******	C	QTA:	TOTAL		DAYS			NEEK	
DRILL CUTTINGS,	SAMPLE	NODI=C	NODI=C	(1N)	*******	*******		***							
VOLUME	MEASUREMENT										*****				
82596 1 0 0	PERMIT	REPORT	REPORT		******				****		*****			INCE/	ESTIMA
Effluent Gross Value	REQUIREMENT	QRTR AVG	MOTOTAL	BBL	*******	*******			*****		*****		N	IONTH	
	SAMPLE											1			
	MEASUREMENT PERMIT			s											
-	REQUIREMENT														
NAME/TITLE PRINCIPAL EXE		I certify under negati	y of law that this docum	ent and all atter	hments were prepared	under my direction or		A A		(0.000,000)		(20000000	TE	EPHONE	DATE
(ANICH TITLE I THING II AL EX	LOOTIVE OT TOCK		dance with a system des					14	1	9			1	LITIONE	DATE
G. J. Chiasson			ion submitted. Based on r					-)		'/ .	•		985-773	-7157	01/24/2014
Gulf of Mexico East Operations Ma	anager		responsible for gathering				_	~ ,	/ V		_			•	
			f, true, accurate, and co				SIC	GNA	TURK OF	PRINCIPA	L EXECU	TIVE		NUMBE	٦
TYPED OR PRI			nation, including the poss		imprisonment for knowin	ig violations.		QFF!	ICEA OR	AUTHORIZ	ED AGE	ıτ	CODE		MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS		REFERENCE ALL ATTAC	HMENTS HERE											

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

Union Oil Company of California (Subsidiary of Chevron Corporation)

DRILL CUTTINGS

AQUEOUS FLUIDS

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

-						_				DRILL CUTTINGS
NAME	Union Oil Company of California (Subsidiary of Chevron Corporation)			GEG46	0501			003 1		NAF
*	100 Northpark Blvd.		PER	MIT COVE	RAGE		DISCH	HARGE N	UMBER	
	Covington, LA 70433			NUMBER	3					*
FACILITY	Mobile 904 "AW, AP, AQ, & AB"				MONIT	ORING	PERIOD		,	
			MO	DAY	YEAR		MO	DAY	YEAR	
LOCATION	Mobile 904	FRC	M 10	01	13	то	12	31	13	NO DISCHARGE

PARAMETER		QUA	NTITY OR LOADING			. QUALITY OR CO	DNCENTRATION		NO. EXC.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
7,110,11121,211		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1		1
DRILL CUTTIINGS, END	SAMPLE				NODI=C			(20)	1		
OF WELL, 96-HR LC50	MEASUREMENT.	*******	*******			******	*******				
04311 1 0 0	PERMIT .				30000					SEE	GRAB
Gross Effluent Value	REQUIREMENT	*******	*******	*****	MINIMUM	*******	*******	PPM		PERMIT	
DRILL CUTTINGS	SAMPLE				NODI=C	NODI=C		(20))			
96-HR LC50	MEASUREMENT	*******	*******				*******				
04312 1.0 0	PERMIT				30000	30000				ONCE/	GRAB
Gross Effluent Value	REQUIREMENT		*******	*****	MINIMUM	MÓ AVG	*******	PPM		MONTH	
STOCK BASE FLUID	SAMPLE						NODI=C	(1U)			
PAH	MEASUREMENT	*******	******		******	*******					
51114 1 0 0	PERMIT						0.00001			SEE	CK REQ
Gross Effluent Value	REQUIREMENT	*******	*******	*****	******	*******	ORTH MAX	RATIO		PERMIT	
STOCK BASE FLUID	SAMPLE						NODI=C	(1U)		•	
SEDIMENT TOXICITY	MEASUREMENT	******	*******		*******	******					
51115 1 0 0	PERMIT						1.0			SEE	CK REQ
Gross Effluent Value	REQUIREMENT	*******	*******	*****	******	*******	QRTR MAX	RATIO		PERMIT	
STOCK BASE FLUID	SAMPLE						NODI=C	(1U)		-	l
BIODEGREDATION RATE	MEASUREMENT	******	*******	*****	*******	******					
51116 1-0 0	PERMIT						1.0			SEE	CK REQ
Gross Effluent Value	REQUIREMENT	*******	******	*****	*******	*******	QRTR MAX	OITAR		PERMIT	
DRILL CUTTINGS,	SAMPLE						NODI=C	(1U)			
SEDIMENT TOXICITY	MEASUREMENT	*******	*******		*******	*******					
51117 1 0 0	PERMIT						1.0			SEE	CK REQ
Gross Effluent Value	REQUIREMENT	*******		*****	*******	*******	ORTR MAX	RATIO		PERMIT	
DRILL CUTTINGS,	SAMPLE				*******		NODI=C	(9A)			
FORMATION OIL	MEASUREMENT	*******		4 """		*******					
51118 P 0 0	PERMIT		*******	*****	*******	,,,,,,,,	0	PASS=0		SEE	CKIREQ
See Comments Below	REQUIREMENT	********					QRTR MAX	FAIL=1		PERMIT	
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER					under my direction or				TELEPHONE	DATE
						el properly gather and		7	•	005 370 7467	
G. J. Chiasson		evaluate the information						<u> </u>		985-773-7157	01/24/2014
Gulf of Mexico East Operations Mai	nager .	those persons directly r						OIDAL EVECUT		1551 1	4
7,4000	PES.	knowledge and belief,								AREA NUMBER	
TYPED OR PRIN		submitting false informa			mprisonment for knowin	ig violations.	OFFICER OR AUTH	ORIZED AGENT		CODE	MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTAC								

P=GC/MS, Q=RPE, R=OLEFINS, S=ESTERS. FOR LC50, REPORT LOWEST MONTHLY AVG. R&S: PERCENT=G. NAF/100 G. WET CUTTINGS. If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. It parameter not detected, enter NODI=B.

EPA FORM 3320-1 FACSIMILE Rev. 4.2

Malala

GEG46 0501

PERMIT COVERAGE

NUMBER -

PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

100 Northpark Blvd.

Covington, LA 70433

FACILITY	Mobile 904 "AW, A	AP, AQ, & AB"						MONITO	DRING PERIOD				
1001700	Mahila 004					-	MO	DAY YEAR	MO	DAY	YEAR	NO DI	CUADOE [7
LOCATION	Mobile 904	······································				FROM	10	01 13	TO 12	31	13	NO DIS	SCHARGE []
		QU	ANTITY OR LOADING			QUALITY OR CO	NCENTR	ATION		NO.	FREQ	UENCY	SAMPLE
PARAMETER		<u>.</u>								EXC.	OF AN	ALYSIS	TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE		MAXIMUM	UNITS	ļ	<u>.                                    </u>		
DRILL CUTTINGS,	SAMPLE	******	******	*****	*******		N	IODI=C	(9A)				
FORMATION OIL	MEASUREMENT PERMIT			4				0	D400 0			iCE/	20.00
51118 Q 0 0 See Comments Below	REQUIREMENT	*******	.,,,,,,,		******	4111200	l	VKLY MAX	PASS=0 FAIL=1		1000 CONT. 1000 CONT. 1000 CONT. 1000 CONT. 1000 CONT. 1000 CONT. 1000 CONT. 1000 CONT. 1000 CONT. 1000 CONT.	EEK	GRAB
DRILL CUTTINGS	SAMPLE			+			· · · · ·	WINE I WIMA	(23)		441	EN	
BASE FLUIDS RETAINED	MEASUREMENT	******	*******	*****	******	NODI=C		******	(23)	ĺ			
51120 R 0 0	PERMIT			7		69					S	EE	GRAB
See Comments Below	REQUIREMENT		******	*****	*******	ORTH AVG		******	PERCENT			RMIT	T
DRILL CUTTINGS	SAMPLE					NODI=C			(23)				
BASE FLUIDS RETAINED	MEASUREMENT	*******	******		******	NODIEC		******	, ,	Ĺ			
51120 S 0 0	PERMIT					9,4						EE	GRAB
See Comments Below	REQUIREMENT	*******	*******	*****	*******	GRTR AVG		····	PERCENT		PEI	RMIT	
CADMIUM (CD), IN	SAMPLE						N	IODI=C	(69)	l			
BARITE, DRY WEIGHT	MEASUREMENT	*******		4 """	1411771	******							•
78244 1 0 0	PERMIT	******	*******	*****	******	*******		3.0	140.550			EE.	CK AEQ
Effluent Gross Value	REQUIREMENT			+				XAM RTRC	MG/KG		PE	RMIT	
MERCURY (HG), IN	SAMPLE MEASUREMENT	*******	******	*****	*******	*******	. 1	IODI=C	(69)	1	İ		
BARITE, DRY WEIGHT 78245 1 0 0	PERMIT			-				1.0		<b>—</b>		EE	CK REQ
Effluent Gross value	REQUIREMENT	******	*******	*****	******			ORTH MAX	MG/KG			RMIT	Unineu
DRILL CUTTINGS.	SAMPLE			+			The same of the sa		(1M)		F 64	si <b>a</b> tt i	
FREE OIL	MEASUREMENT	*******	*******		*******	*******	N	IODI=C	(,,,,,,,	1			
82595 1 0 0	PERMIT			7				O.			ON	ČE/	VISUAL
Effluent Gross Value	REQUIREMENT	******	******	*****	******	*******	C	TRITOTAL	# DAYS			EΚ	
DRILL CUTTINGS,	SAMPLE	NODI-C	NODL-C	(1N)									
VOLUME	MEASUREMENT	NODI=C	NODI=C		******	*******		******	*****				
82596 1 0 0	PERMIT	REPORT	REPORT									CE/	ESTIMA
Effluent Gross Value	REQUIREMENT	QRTR AVG	MO TOTAL	BBL	******		,		*****			NTH	
NAME/TITLE PRINCIPAL EX	ECUTIVE OFFICER		of law that this docum					11-0	_		TELEF	HONE	DATE
•			ance with a system des				I/I	- 1/X/ • I	•				
G. J. Chiasson			on submitted. Based on i				IX.	ノくしん	1 _		985-773-7	157	01/24/2014
Gulf of Mexico East Operations N	lanager		responsible for gatherin				/-						
TURE OF THE	(APPER					significant penalties for		SNATURE OF PRIN				NUMBER	
TYPED OR PR			ation, including the poss REFERENCE ALL ATTAC	imprisonment for knowli	ng violations.	LL	OFFICER OR AUTH	IUHIZED AGENT	<u> </u>	CODE		MO DAY YEAR	
COMMENTS AND EXPLANATION					HOO O MET CUTTING	C. If no disabaras ante	- NODL O	day Oungliby and Co		and have	tton rinks !	f connection	ant variational this
P=GC/MS, Q=RPE, R=OLEFINS,	SEDIENS, FUH LUSC	A REPUBLICIONES I M	UNITET AVG. MAS: PE	INCENTEG. NAM	/ IOU CI, WEI COLLING	<ul> <li>a. ii no discriarge, ente</li> </ul>	I NUUI=U	TOT GUARRITY and Co	ncentration of cr	IECK DOX 8	copingnt. I	i rebound:	not required inis

period, enter NODI=9. If parameter not detected, enter NODI=B.

**DRILL CUTTINGS** 

003 1

DISCHARGE NUMBER

Mr2/12/14

PERMITTEE NAME/ADDRESS Include Name/Location if different

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME	Union Oil Compar	ny of California (Sub	sidiary of Chevron Co	rporation)		_	GEG	46 0501	] [		004 1			
	100 Northpark Blv	rd.					PERMIT CO	VERAGE		DISCH	HARGE N	UMBER		
	Covington, LA 704	433				<del></del>	NUMB	ER	-					
FACILITY	Mobile 904 "AW.					- ,		MONIT	ORING F	FRIOD				
7100017					***************************************	-	MO DAY		T	MO	DAY	YEAR		
LOCATION	Mobile 904					FROM	10 01	13	1 10	12	31	13	NO DIS	CHARGE
						<del>-</del>			- L					
		- QL	JANTITY OR LOADING		•	QUALITY OR CO	DICENTRATION				NO.	FREQL		SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIM	I IM	TIL	IITS	EXC.	OF ANA	LYSIS	TYPE
NOEC STATRE 7DAY CHR	SAMPLE	AVEIVAGE	THE OWNER CO.	0,470		AVENAGE	Birotila	OW		23)				•
MYSID, BAHIA	MEASUREMENT	******	******	*****	NODI=9	*******	*****	••	,	/				
TBP3E 1 0 0	PERMIT			1	REPORT				1 .			SE	Е	CK REQ.
See Comments Below	REQUIREMENT	******	*******	******	MINIMUM	******	*****	••	PER	CENT		PER	MIT	
NOEC STATRE 7DAY CHR .	SAMPLE				NODI-0				(2	23)				
MENIDIA	MEASUREMENT	*******	******	******	NODI=9	******	*****	••						
TBP6B 1: 0: 0	PERMIT				REPORT							SE	E	CKIREO
See Comments Below	REQUIREMENT	*******	******	******	MINIMUM	*******	*****	••	PER	CENT		PER	MIT	
CRITICAL DILUTION	SAMPLE				NODI=9				(1	U)				
FACTOR	MEASUREMENT	******	******	*****		******		••						
80093 1 0 0	PERMIT				REPORT							98		CK REQ
Effluent Gross Value	REQUIREMENT	*******	*******	*****	MO MIN	*******	*****	**	RA	OIT		PER	MIT	
PRODUCED WATER,	SAMPLE					4.7	5.3	<b>.</b>	] (1	19)	0	01/	30	GR
OIL AND GREASE	MEASUREMENT	*******	******	*****	******				]		U			un
82599 1 0 0	PERMIT					29.0	42.0					ON		GRAB
Effluent Gross Value	REQUIREMENT	*******	******	*****	*******	MO AVG	DAILY	MX	M	G/L		MOM	ITΗ	
PRODUCED WATER,	SAMPLE		180	(1T),							0	31/	30	ES
FLOW .	MEASUREMENT	******		]	*******		*****	••		••••				
82600 1 0 0	PERMIT		AEPORT									ÖN		ESTIMA
Effluent Gross Value	REQUIREMENT	*******	ORTR MAX	BBL/DAY	*******	*******	*****	••	,,,	,		MON	ITH	
1	SAMPLE	· .			·		•		1					
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	REQUIREMENT							_						
	SAMPLE	_		ŀ					1					
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	PERMIT							•						
NAME OF THE PROPERTY OF THE	REQUIREMENT		(1 2 - 1 1 1 )	I				<del></del>	1		<u> </u>	70.55		2.25
NAME/TITLE PRINCIPAL EXE	COTIVE OFFICER		y of law that this docume				///	20K1				TELEP	HUNE	DATE
a i objection			fance with a system desi on submitted. Based on m					/ V V /	1 -	, -		985-773-71	c	01/24/2014
G. J. Chiasson Gulf of Mexico East Operations Ma			on submitted, based on m responsible for gathering				レソノバ		レヘ			aug-113-11	J,	01/24/2014
Guil of Mexico cast Operations Ma	mayer		responsible for gathering f, true, accurate, and co				SIGNATU	IRE OF PRIN	ICIDAL E	VECUTE	VIC.	AREA	NUMBER	
TYPED OR PRI	ITED		r, true, accurate, and co nation, including the possil					ER OR AUTH				CODE	NUMBER	MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH		imprisorine in for knowin	y viusalions.	- YFFICE	UN AUT	UNIZEL	AGENT		CODE		NO DAY YEAR
COMMENTS AND EXCENSATION	OF MAIL MOTIVIDAS	•	HELEBERGE MET WITHOU	MELLIO LIEUE										

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

PRODUCED WATER

Mx/12/14

### PERMITTEE NAME/ADDRESS Include Name/Location if different

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME			sidiary of Chevron Co	rporation)				346 0501			005 1		]	
	100 Northpark Blv					_	PERMIT CO			DISC	HARGE N	UMBER	j	
	Covington, LA 704					_	NUM		<u>L</u>		•		1	
FACILITY	Mobile 904 "AW, A	4P, AQ, & AB"				-	ļ		ORING	PERIOD	<del></del>		1	
LOCATION .	Mobile 904	•				FROM	MO DA 10 01		то	MO 12	DAY 31	YEAR 13	NO DIS	SCHARGE [
200/Mor	modelo ou s						<u> </u>	1	<b>.</b>		1	<u>'</u>	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
PARAMETER		QU	JANTITY OR LOADING			QUALITY OR CO	ONCENTRATIO	١ .			NO. EXC.		UENCY IALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIA	1UM		NITS	Ī			
DECK DRAINAGE,	SAMPLE	*******	******	*****		******	l o		(	1M)	0	ום	/DS	VI
FREE OIL	MEASUREMENT PERMIT		,,,,,,,,	-			0		-		370000000000000000000000000000000000000			
82597 1 0 0 Effluent Gross Value	REQUIREMENT	*******	*******		*******	*******	MOTO		] #r	DAYS			EE RMIT	VISUAL
Ellidera Gloss value	SAMPLE						INIC 1	) I AL	7	JA 13	900,000,000,000		alen I	-
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·	PERMIT													
	REQUIREMENT								ļ					
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TERRETORIUS AND AND AND AND AND AND AND AND AND AND	REQUIREMENT SAMPLE								<b> </b>					
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	REQUIREMENT													
NAME/TITLE PRINCIPAL EX	ECUTIVE OFFICER		y of law that this docume				11/1			-		TELEI	PHONE	DATE
•			lance with a system desi				<i>(/ //</i>	/Y) [		•				
G. J. Chiasson			on submitted. Based on m					LL	_		_	985-773-7	15/	01/24/2014
Gulf of Mexico East Operations M	anager,		responsible for gathering f, true, accurate, and co				SIGNATI	JAE OF PRIN	ICIPAL 1	EXECUT	VE	AREA	NUMBER	
. TYPED OR PR	INTED		nation, including the possit					ER OR AUTH				CODE	TONIDED	MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH		p.isonnoni te nitenni	a violationo.		2.,0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		- / ( )		0000	L	I DAI TEAN
Kan disabases aster NODL Odes			sight II constinuent con	uirad thia navina	I aniar NODI-O if narra	nator not detected, onto	V NODI-							

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

my/12/14

		()								
		_								TCW FLUIDS
NAME	Union Oil Company of California (Subsidiary of Chevron Corporation)			GEG46	0501	. [		006 1		, , , , , , , , , , , , , , , , , , ,
	100 Northpark Blvd.		PERN	AIT COVE	RAGE		DISCH	ARGE N	MBER	
	Covington, LA 70433			NUMBER						•
FACILITY	Mobile 904 "AW, AP, AQ, & AB"				MONITO	PRING F	PERIOD			
			MO	DAY	YEAR		МО	DAY	YEAR	
LOCATION	Mobile 904	FROM	10	01	13	то	12	31	13	NO DISCHARGE [

PARAMETER		QU	ANTITY OR LOADING	_	DINCENTRATION .		NO. EXC.	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
		AVERAGE	MAXIMUM	UNITS	· MINIMUM	AVERAGE	MAXIMUM	UNITS	1	,	
OIL & GREASE	SAMPLE MEASUREMENT	******	******	*****	*******	NODI=C	NODI=C	(19)			
00556 1 0 0 Effluent Gross Value	PERMIT REQUIREMENT		RASPERS		*******	29.0 MO AVG	42.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
WELL FLUIDS, FREE OIL	SAMPLE MEASUREMENT	*******	*******	*****	*******	*******	NODI=C	(1M)			
82603 1 0 0 See Comments Below	PERMIT REQUIREMENT		******	*****			Q MQ TOTAL	# DAYS		SEE PERMIT	VISUAL
WELL FLUIDS, VOLUME	SAMPLE MEASUREMENT	NODI=C	NODI=C	(1N)	******	******		*****			
82604 1 0 0 Effluent Gross value	PERMIT REQUIREMENT	REPORT ORTH AVG	REPORT MO TOTAL	BBL	*******	*******	*******	*****		ONCE/ MONTH	ESTIMA
,	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
,	SAMPLE MEASUREMENT				,					-	
***************************************	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT							٠			
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT.										
	PERMIT REQUIREMENT						$-\mathcal{A}$				
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER		y of law that this docume				1/1/A	_	- 1	TELEPHONE	DATE
G. J. Chiasson		evaluate the information	ance with a system desi on submitted. Based on m	ly inquiry of the	person or persons who r	nanage the system, or	W/ L	hi		985-773-7157	01/24/2014
Gulf of Mexico East Operations Ma	•	knowledge and belief	responsible for gathering f, true, accurate, and co	mplete. I am	aware that there are si	gnificant penalties for	SIGNATURE OF PRIN		VE	AREA NUMBER	
TYPED OR PRII COMMENTS AND EXPLANATION			nation, including the possil REFERENCE ALL ATTACH		imprisonment for knowing	g violations.	OFFICEA OR AUTH	UHIZED AGENT	<u>-</u> L	CODE	MO DAY YEAR

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

NAME .	100 Northpark Blv	d.	sidiary of Chevron Cor	rporation)		- 	1	GEG4	/ERAGE		DISCI	007_1 HARGE N	UMBER	ONITI AITI	WASIE
FACILITY	Covington, LA 704 Mobile 904 "AW; A			·····			· ·	NUMBE		ORING	PERIOD				
		· · · · · · · · · · · · · · · · · · ·				-	MO	DAY	YEAR		МО	DAY	YEAR		
LOCATION	Mobile 904					FROM	10	01	13	то	12	31	13	NO DIS	CHARGE
		QL	JANTITY OR LOADING		T	QUALITY OR CO	ONCENTA	RATION				NO.	FREQ		SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	T	MAXIMU	JM	T U	NITS	EXC.	OFAN	ALYSIS .	TYPE
SANITARY WASTE,	SAMPLE				1						(19)	0	01	/30	GR
, RESIDUAL CHLORINE	MEASUREMENT	******	*******	*****	<u> </u>	*******		******	•			U			
82605 P 0 0 See Comments Below	PERMIT REQUIREMENT	******	*******	,,	TO DAILY MN	******				١.	AG/L .			CE/ NTH	GRAB
SANITARY WASTE,	SAMPLE	*******	********		2200444	*******		0	***	(1M)		_			
SOLIDS	MEASUREMENT			*****				U		]		0		/DS	VI
82607 P 0 0	PERMIT	******	******	*****	*******	******	O ATOT ON						DAILY		VISUAL
See Comments Below MARINE SANITATION	REQUIREMENT SAMPLE			(94)			ALUI UN	L		# DAYS	>	_			
DEVICE USED	MEASUREMENT	*******	. 1	(6.7)	*******	*******		******	•		****	0.		30	CT
61944 1 0 0	PERMIT		REPORT	0=YES										CE/	CERTIF
Effluent Gross Value	REQUIREMENT SAMPLE	*******	VALUE	1=NO	********	*******		*****		•	*****		MO	VTH	
*	MEASUREMENT	,		,											
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	REQUIREMENT			-											
	SAMPLE	`													
	MEASUREMENT														
<i>'</i>	PERMIT REQUIREMENT										,				
NAME/TITLE PRINCIPAL EXE		I certify under penalt	y of law that this docume	nt and all atta	chments were prepared	under my direction or	/	<del> /</del>	7 🔎	4		L	TELEP	HONE	DATE
	,	supervision in accord	fance with a system design	gned to assure	e that qualified personne	properly gather and				1.	٩.				
G. J. Chiasson			on submitted. Based on m					X	X X				985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	nager		responsible for gathering					GNATUE	REOF PRIN	ICIPAL 1	EXECUTI	VE	AREA	NUMBER	,
TYPED OR PRIN	NTED		nation, including the possib						ROR AUTI				CODE	HOINEGH	MO DAY YEAR
COMMENTS AND EVEL ANATION			DESCREAGE ALL ATTACH				·	ーブ							

SANITARY WASTE

Willella

GEG46 0501

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

· ·	100 Northpark Blv	rd.					PERMIT COVERAG	E DISC	HARGEN	UMBER		
	Covington, LA 704	133				-	NUMBER			•		
FACILITY	Mobile 904 "AW,	AP, AQ, & AB"		-		-	M	ONITORING PERIOD				
	-					•	MO DAY YE	AR MO	DAY	YEAR		
LOCATION	Mobile 904					FROM	10 01 1	3 TO 12	31	13	NO DIS	CHARGE 🗆 🍃
		QU	ANTITY OR LOADING		T	QUALITY OR CO	ONCENTRATION		NO.	FREQUI	ENCY	SAMPLE
PARAMETER									EXC.	OF ANA	LYSIS	TYPE .
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		·		
DOMESTIC WASTE,	SAMPLE	*******	******				0	(1M)	0	DL/I	DS	VI
SOLIDS 82608 1 0 0	MEASUREMENT PERMIT					*******	0			<u> </u>		
Effluent Gross Value	REQUIREMENT	******	******		******	******	MO TOTAL	# DAYS		SEI PERM		VISUAL
Linden Cioss Vaide	SAMPLE						HO IOTAL	# DA13	200000000000000000000000000000000000000	Latin	MI CONTRACTOR	
	MEASUREMENT				•				1 .			•
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NAME/TITLE PRINCIPAL EXI		Logrify under negality	v of law that this docume	nt and all alta	chments were orenated t	under my direction or	<del></del>			TELEPH	ONE	DATE
TRAVESTITEE THROUGH ALL EXI	LOGINE OFFICER		lance with a system design				1/1/	NI.	•	I CLLII	IOIAL	DATE
G. J. Chiasson	•		on submitted. Based on m					1/1:-	-	985-773-715	57-	01/24/2014
Gulf of Mexico East Operations Ma	anager	those persons directly	responsible for gathering	the information	, the information submitte	d is, to the best of my						`
			f, true, accurate, and cor					PRINCIPAL EXECUT		AREA N	NUMBER	
TYPED OR PRI			ation, including the possib		imprisonment for knowing	violations.	OFFICER OR	AUTHORIZED AGEN	T	CODE		MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH		,		-NODE D					
If no discharge, enter NODI=C for	Quantity and Concentra	ition or check box at top	o rignii. It reporting not requ	iired this period	i, enter N∪DI=9. It param	eter not detected, ente	IT NUUI=B.					

DOMESTIC WASTE

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Malaly

### PERMITTEE NAME/ADDRESS Include Name/Location if different

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME		<u> </u>	sidiary of Chevron Cor	poration)				GEG46				009 1		WASTES	
	100 Northpark Blv							IIT COVE			DISCH	HARGE N	JMBER	CHEMICAL	SADDED
	Covington, LA 704 Mobile 904 "AW, A					-		NUMBER		20110	PERIOD				
FACILITY	WOONE 904 AVV, F	AF, AQ, & AD		······································			МО	DAY	YEAR	T	MO	DAY	YEAR		
LOCATION	Mobile 904	,	······································		•	FROM	10	01	13	то	12	31	13	NO DIS	CHARGE []
***************************************		QU	IANTITY OR LOADING	·	<u> </u>	QUALITY OR CO	NCENTRA	ATION	***********			NO.		UENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE		/AXIMUN		T	NITS	EXC.	OF AN	ALYSIS	TYPE
MISC, DISCHARGES,	SAMPLE	AVERAGE	MAXIMUM	UNITS	MIMINOW	AVENAGE			4		(1M)			10=	
FREE OIL	MEASUREMENT	******			*******	*******		0				0	14	/07	, VI
49498 1. 0 0	PERMIT							0						EE	VISUAL
Effluent Gross Value	REQUIREMENT SAMPLE	*******	*******	*****	*******	444242	٨	AO TOTA	L	#	DAYS		PE	TIME	
	MEASUREMENT					•						-			
	PERMIT														
	REQUIREMENT										7777000				
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	PERMIT											-			
	REQUIREMENT														
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER		y of law that this docume					71		7	7		TELE	HONE	DATE
			lance with a system design					7)	M		/	•	985-773-7	467	01/04/0044
G. J. Chiasson Gulf of Mexico East Operations Ma	ananar		on submitted. Based on m responsible for gathering						1/0.	ベ	<b>ノ</b>		303-//3-/	10/	01/24/2014
Cur of Mexico East Operations in	arranger.		f, true, accurate, and co						OF PAIN				AREA	NUMBER	
TYPED OR PRI		submitting false inform	nation, including the possib	ility of fine and			` (	OFFICER	OR AUTH	HORIZE	D AGENT		CODE		MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH						/						
If no discharge, enter NODI=C for	Quantity and Concentra	ition or check box at top	p right. If reporting not requ	iired this period	i, enter NODI=9. If param	eter not detected, ente	r NODI=8.	. •	-						

MISCELLANEOUS

Malalla

010 1

GEG46 0501

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

	100 Northpark Biv			,		- 1	PERMIT CO	VERAGE		DISC	HARGE N	UMBER	CHEMICA	LS ADDED
•	Covington, LA 704	433				_	NUMB	ER						
FACILITY	Mobile 904 "AW, /	AP, AQ, & AB"			3			MONIT	ORING	PERIOD.				4
							MO DAY	YEAR	,	MO	DAY	YEAR		
LOCATION	Mobile 904					FROM	10 01	13	то	12	31	13	NO DIS	SCHARGE []
p									<del></del>					
545445755		QI	JANTITY OR LOADING			QUALITY OR CO	ONCENTRATION				NO.		JENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIM	II. A	1 10	NITS	EXC.	OF AN	ALYSIS	TYPE
NOEC STATRE 7DAY CHR	SAMPLE	AVERAGE	WANIMUM	ONITS		1	IVIAAIW	JW		23)	<del> </del>	·		
MYSID, BAHIA	MEASUREMENT	*******	*******	*****	NODI=C	NOD1=C	*****		l '	20)				
TBP3E P 0 0	PERMIT				REPORT	REPORT						ς.	EE	CK REQ
See Comments Below	REQUIREMENT	*******	*******		7 DA MIN	MO AV MN	*****		PEF	RCENT			TIME	GAT. ICG
NOEC STATRE 7DAY CHR	SAMPLE	-								23)			14 8 30 15 17 17 17 17 17	
MENIDIA	MEASUREMENT	******		******	NODI=C	NODI=C	*****		1	/			-	1
TBP6B P 0 0	PERMIT				REPORT	REPORT						S	EE .	CK REQ
See Comments Below	REQUIREMENT	*******	******	*****	7 DA MIN	MO AV MN		••	PEF	CENT		PEF	RMIT	
MISC. DISCHARGES,	SAMPLE						NODI	- C	(	1M)				
FREE OIL	MEASUREMENT	*******	*******	*****	*******	******	וטטאו	=0			Ĺ		•	•
49498 1 0 0	PERMIT						0					S	ΞE	VISUAL.
Effluent Gross Value	REQUIREMENT	*******	******	*****	*******	*******	MOTO	TAL	# [	DAYS		PER	MIT	
MISC. DISCHARGES,	SAMPLE	*****	NODI=C	(1T)										
FLOW	MEASUREMENT				*******	******	*****	••	1 "					
74076 1 0 0	PERMIT		REPORT										CE/	ESTIMA
Effluent Gross value	REQUIREMENT	*******	ORTH MX	BBL/DAY	******	*******	*****	••		••••		NO	VTH	
CRITICAL DILUTION	SAMPLE				NODI=C				(	1U)				
FACTOR	MEASUREMENT	*******	*******			******	*****	н						
80093 1 0 0	PERMIT				REPORT								ΞE	OK REQ.
Effluent Gross Value	REQUIREMENT	*******	*******	40.100	MO MIN	*******	*****	•	FI/	ATIO		PEF	MIT	
	SAMPLE													,
·	MEASUREMENT PERMIT										0.000			
	REQUIREMENT		100											
	SAMPLE	-							<del> </del>					
	MEASUREMENT		,	_					٠.		<b>l</b> '			
	PERMIT								1					
4.5	REQUIREMENT									,				
NAME/TITLE PRINCIPAL EXE		I certify under penal	ty of law that this docume	nt and all atta	chments were prepared	under my direction or		$\sim$				TELER	HONE	DATE
	,		dance with a system design				(7)							
G. J. Chiasson			ion submitted. Based on m				1//	/    ' <b>/</b>				985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	nager	those persons directly	y responsible for gathering	the information	, the information submitte	ed is, to the best of my			<u> </u>					
·	-		of, true, accurate, and con				( SIGNATU	RE OF PRIN	ICIPAL I	EXECUTI	VE	AREA	NUMBER	
TYPED OR PRIN			nation, including the possib	ility of fine and	imprisonment for knowing	violations.	OFFIC)	A OR AUTH	HORIZEI	D AGENT		CODE		MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS	í	REFERENCE ÄLL ATTACH	MENTS HERE			-							

MISCELLANEOUS

WASTES

MAIN

### PERMITTEE NAME/ADDRESS Include Name/Location if different

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME			sidiary of Chevron Co	rporation)		-	GEG46			011 1		]	
	100 Northpark Blv						PERMIT COVE		DISC	HARGE N	JMBER	1	
	Covington, LA 704			<del></del>		-	NUMBER		DINO PEDIOD			1	
FACILITY	Mobile 904 "AW, A	AP, AQ, & AB				•	MO DAY	YEAR	RING PERIOD MO	DAY	YEAR	-	
LOCATION	Mobile 904					. FROM	10 .01	13	TO 12	31	13	NO DIS	SCHARGE 🗆
PARAMETER		QU/	ANTITY OR LOADING		-	QUALITY OR CO	NCENTRATION			NO. EXC.		UENCY ALYSIS	SAMPLE TYPE
* ANAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	Т	UNITS	1	U A	0.1010	1112
Cooling Water	SAMPLE						NODI=		(9P)				
Baseline Study	MEASUREMENT	*******	******	*****	*******	*******							
85869 P 0 0	PERMIT	*******			*******	******	0		0=YES			EE	CK REQ
Effluent Gross Value	REQUIREMENT SAMPLE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		*****	222	27777	MAXIMUN		1=NO (9P)		PE	RMIT	
Cooling Water Baseline Study	MEASUREMENT	******	*******		*******	*******	NODI=	C	(9P)				
85869 Q 0 0	PERMIT						0		0=YES			EE	CKREQ
Effluent Gross Value	REQUIREMENT	******	******	******	******	*******	MAXIMU	1	1=NO			RMIT	
BMP Plan	SAMPLE						NODI=	0	(9P)				
Certification Submittal?	MEASUREMENT	******	******	*****	*******	*******							
85873 1 0 0	PERMIT				*******	******	0		0=YES			EE	CKREQ
Effluent Gross Value	REQUIREMENT SAMPLE	*******	*******	*****			MAXIMUN	1	1=NO		. Pt	RMIT	
	MEASUREMENT							1					
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	SAMPLE											***************************************	
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	REQUIREMENT SAMPLE										•		
	MEASUREMENT						٠	l					
· -	PERMIT												
	REQUIREMENT												
	SAMPLE										,		
	MEASUREMENT					•						************	
	PERMIT		1000										
	REQUIREMENT	,		L			/					5116116	5.75
NAME/TITLE PRINCIPAL EXE	CUTIVE OFFICER				chments were prepared that qualified personner			M			IELE	PHONE	DATE
G. J. Chiasson					person or persons who n			V1 1	(1 a	]	985-773-7	157	01/24/2014
Gulf of Mexico East Operations Ma	nager				, the information submitte		$\sim$						
Con a money made operations that					aware that there are sig		SIGNATURE	QF PRINC	IPAL EXECUT	VE	AREA	NUMBER	
TYPED OR PRIN					imprisonment for knowing	violations.	OFFICER	OR AUTHO	DRIŽED AGEN		CODE		MO DAY YEAR
COMMENTS AND EXPLANATION	OF ANY VIOLATIONS		REFERENCE ALL ATTACH	MENTS HERE									,

If no discharge, check "No Discharge" box at top right. If reporting not required this period, enter NODI=9 in all applicable reporting spaces. If parameter not detected, enter NODI=B. P=Industry-wide study. Q=Individual study.

REPORTS

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

100 Northpark Blvd.  PERMIT COVERAGE  DISCHARGE NUMBER	
Covington, LA 70433 NUMBER	
FACILITY Mobile 872 "A" MONITORING PERIOD	
LOCATION   Mobile 872   MO DAY YEAR   MO DAY YEAR   LOCATION   Mobile 872   FROM 10 01 13 TO 12 31 13 NO	O DISCHARGE 🗆
QUANTITY OR LOADING QUALITY OR CONCENTRATION NO. FREQUENCE	CY SAMPLE
PARAMETER EXC. OF ANALYS	
AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS	
DRILLING FLUID, END SAMPLE NOTICE NOTICE NOTICE NOTICE (20)	
OF WELL, 96-FIR LC30 MEASUREMENT	
04311 1 0 0 PERMIT 30000 SEE Effluent Gross Value REQUIREMENT SEE PERMIT	GRAB
PRIVATO FLUID	
96-HR LC50 MEASUREMENT NODI=C NODI=C (20)	
04312 1 0 0 PERMIT 30000 30000 ONCE/	GRAB
Effluent Gross Value REQUIREMENT PPM MONTH	
CADMIUM (CD), IN SAMPLE  PARITE DRY WEIGHT MEASUREMENT MILES (69)	
BARITE, DRI WEIGHT WEAGUREWENT	
78244 1 0 0 PERMIT 3.0 SEE  Fiftuent Gross Value REQUIREMENT Supply Through Th	CK-REQ
MERCUDY (ACA) IN CAMPLE	
BARTE, DRY WEIGHT MEASUREMENT FINANCE MEASUREMENT FINANCE MINING MEASUREMENT FINANCE M	
78245 1 0 0 PERMIT SEE	CK REQ
Effluent Gross Value REQUIREMENT	
DRILLING FLUIDS, SAMPLE NODI=C (1M)	Α
FREE OIL MEASUREMENT HIGHES HI	
82589 1 0 0 PERMIT 0 ONCÉ PER	R VISUAL
Effluent Gross Value REQUIREMENT	
DRILLING FLUIDS, SAMPLE NODI=C (99)	
DISCHARGE MAILE MEASUREMENT	
82592 1 0 0 PERMIT 1000 DAILY Effluent Gross Value REQUIREMENT WAY HART BBL/HR ************************************	ESTIMA
DIMENIOR WILLIAM CONTRIBUTE (AMD CONTRIBUTE)	
VOLUME MEASUREMENT NODI=C NODI=C (IN)	
82594 1 0 0 PERMIT REPORT REPORT SEPORT ONCE/	ESTIMA
Effluent Gross Value REQUIREMENT CHTR AVG MO TOTAL BBL	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I certify under penalty of law that this document and all attachments were prepared under my direction or	
supervision in accordance with a system designed to assure that qualified personnel properly gather and	
G. J. Chiasson evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or 985-773-7157	01/24/2014
Gulf of Mexico East Operations Manager those persons directly responsible for gathering the information, the information submitted is, to the best of my	
knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for SIGNATURE OF PRINCIPAL EXECUTIVE AREA NUM	
TYPED OR PRINTED submitting false information, including the possibility of fine and imprisonment for knowing violations.  Of FIGER OR AUTHORIZED AGENT CODE  COMMENTS AND EXPLANATION OF ANY VIOLATIONS  REFERENCE ALL ATTACHMENTS HERE	MO DAY YEAR
COMMENTS AND EXPLANATION OF ANY VIOLATIONS REPRENDED AND AND EXPLANATION OF ANY VIOLATIONS REPRENDED AND AND EXPLANATION OF ANY VIOLATIONS REPRENDED AND AND EXPLANATION OF ANY VIOLATIONS REPRENDED AND ANY VIOLATIONS REP	

EPA FORM 3320-1 FACSIMILE Rev. 4.2

DRILLING FLUIDS

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

NAME			sidiary of Chevron Co	orporation)	·	_		6 0559	] [		002 1		AQUEQUS	FLUIDS
	100 Northpark Blv					_	PERMIT COV		L	DISCH	HARGE N	UMBER		
	Covington, LA 704	133				_	NUMBE		L			·		
FACILITY	Mobile 872 "A"				· · · · · · · · · · · · · · · · · · ·	÷ .			ORING P		T =			
LOCATION	Mobile 872					_ FROM	MO DAY 10 01	YEAR 13	то	MO 12	DAY 31	YEAR 13	NO DIS	CHARGE []
											T			·
PARAMETER		QU,	ANTITY OR LOADING	•		QUALITY OR CO	INCENTRATION	*			NO. EXC.	OF AN	JENCY	SAMPLE TYPE
PAHAMETER		AVERAGE I	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMU	M	LIN	IITS	EXC.	OF AIN	4L1515	ITPE
DRILL CUTTINGS, END	SAMPLE		*******	1 3		*******	******			20)				
OF WELL, 96-HR LC50	MEASUREMENT			******	NODI=C					•				
04311 1 0 0	PERMIT			7 '	30000								Ε	GRAB
. See Comments Below	REQUIREMENT	*******		*****	DAILY MN	*******	******	•		PM		PEF	MIT	
DRILL CUTTINGS	SAMPLE.	*******	*******		NODI=C	NODI=C	******		(2	20)				
96-HR LC50 04312 1 0 0	MEASUREMENT PERMIT			4	30000	30000			ĺ			O.N.	CE/	GRAB
See Comments Below	REQUIREMENT	******	******	*****	DAILY MN	MO AVG	******		PI	РМ		MOI		UPIAO
CADMIUM (CD), IN	SAMPLE	*******	******		******		11001	_		39)			• • • • • • • • • • • • • • • • • • • •	
BARITE, DRY WEIGHT	MEASUREMENT			*****	1011.7-5		NODI:	=C	l ''	,				·
78244 1 0 0	PERMIT						3.0		l			Si	E	CK REQ
Effluent Gross Value	REQUIREMENT	*******	******	*****	******	******	QRTA M	AX		/KG		PEF	MIT	
MERCURY (HG), IN	SAMPLE		******		******	*******	NODI	-C	(€	39)				
BARITE, DRY WEIGHT	MEASUREMENT			4 """				_ 🗸	ļ				***	
78245 1 0 0 Effluent Gross Value	PEAMIT REQUIREMENT	*******	*******		*******	******	1.0 ORTEM			/KG		0.0000000000000000000000000000000000000	E MIT	CKIPEO
DRILL CUTTINGS	SAMPLE			-			The second secon		(1				19113	
FREE OIL	MEASUREMENT	*******	*******	*****	*******	*******	NODI:	=Ç	. ,,	,				
82595 1 0 0	PERMIT			1			0					ON	CE/	VISUAL
Effluent Gross Value	REQUIREMENT	*******	*******	*****	*******	*******	QTR TO	TAL	# D.	AYS		₩E	EK	
DRILL CUTTINGS,	SAMPLE	NODI=C	NODI≂C	(1N)	******		******							
VOLUME	MEASUREMENT								• • • • • • • • • • • • • • • • • • • •	••••				
B2596 1 0 0	PERMIT	REPORT	REPORT	201	******							ON		ESTIMA
Effluent Gross Value	REQUIREMENT	ORTH AVG	MO TOTAL	BBL			,			••••		MQI	vTH	
·	SAMPLE MEASUREMENT	1	*		,				ŀ					
	PERMIT													
	REQUIREMENT								l					
NAME/TITLE PRINCIPAL EXE		I certify under penalty	of law that this docum	ent and all attac	hments were prepared	under my direction or	- //	17				TELEP	HONE	DATE
			ance with a system des					A	n e	~				
G. J. Chiasson	*		on submitted. Based on r					$\mathcal{M}$	ر			985-773-71	57	01/24/2014
Gulf of Mexico East Operations Ma	nager		responsible for gathering				1							
	(P) mps		true, accurate, and c					E OF PRIN					NUMBER	
TYPED OR PRIN			ation, including the poss REFERENCE ALL ATTAC		imprisonment for knowing	g violations.	( UFFICE	R OR AUTH	OHIZED	AGENT		CODE		MO DAY YEAR
If no discharge, enter NODI-C for					enter NODI-0 If param	seler not detected ente	CNODI-B							

DRILL CUTTINGS

003 1

DISCHARGE NUMBER

GEG46 0559

PERMIT COVERAGE

**DRILL CUTTINGS** 

NAF

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

period, enter NODI=9. If parameter not detected, enter NODI=B.

EPA FORM 3320-1 FACSIMILE Rev. 4.2

NAME

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

Union Oil Company of California (Subsidiary of Chevron Corporation) 100 Northpark Blvd.

	Covington, LA 704	133				-	NUMBER					
FACILITY	Mobile 872 "A"					•	MON	TORING PERIOD		· · · · · · · · · · · · · · · · · · ·		
TAGE!!!	(1100110 072 71	******	***************************************			•	MO DAY YEAR		DAY	YEAR		
LOCATION	Mobile 872	<u> </u>				FROM	10 01 13	TO 12	31	13	NO DIS	SCHARGE []
					, <u>.</u>				·			
		بالق	ANTITY OR LOADING			QUALITY OR CO	DICENTRATION		NO. EXC.		JENCY	SAMPLE
PARAMETER		AVERAGE I	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EXC.	OF AN	ALYSIS	TYPE
DRILL CUTTIINGS, END	SAMPLE	AVENAGE	WANIWOW	UNITS		AVERAGE	IVIAAIIVIOIVI	(20)			·	· · · · · · · · · · · · · · · · · · ·
OF WELL, 96-HR LC50	MEASUREMENT	*******	******	*****	NODI=C	*******	******	(10)	ļ			
04311 1 0 0	PERMIT				30000					SI	EE	GRAB
Gross Effluent Value	REQUIREMENT		*******	*****	MINIMUM		*******	PPM			MIT	
DRILL CUTTINGS	SAMPLE				NODLO	NODLO		(20))				
. 96-HR LC50	MEASUREMENT	*******	*******	*****	NODI=C	NODI=C	*******		L			
04312 1 0 0	PERMIT				30000	30000					CE/	GRAB
Gross Effluent Value	REQUIREMENT	*******	*******	*****	MINIMUM	MO AVG	*******	PPM		MOI	NTH	
STOCK BASE FLUID	SAMPLE						NODI=C	(1U)	1			
PAH	MEASUREMENT	*******	******	*****	*******	*******						
51114 1 0 0	PERMIT	*******	*******		******	*******	0.00001				EE	CK REQ
Gross Effluent Value	REQUIREMENT						ORTH MAX	RATIO		PEF	MIT	
STOCK BASE FLUID SEDIMENT TOXICITY	SAMPLE MEASUREMENT	******			******	******	NODI=C	(1U)	1			
51115 1 0 0	PERMIT			1			1.0	_		e,	EE.	CKREQ
Gross Effluent Value	REQUIREMENT	*******	*******		*******	444444	XAM RTRO	RATIO			MIT	OKALG
STOCK BASE FLUID	SAMPLE							(10)				
BIODEGREDATION RATE	MEASUREMENT	*******	******			******	NODI=C	, ,,,,				
51116 1 0 0	PERMIT						1.0			SI	EE	CK REQ
Gross Effluent Value	REQUIREMENT	******	******	*****	*******	*******	GRTR MAX	RATIO		PEF	TIMIT	
DRILL CUTTINGS,	. SAMPLE						NODI=C	(1U)			,	
SEDIMENT TOXICITY	MEASUREMENT	******	******	*****	*******	*******						
51117 1 0 0	PERMIT						1.0				E	OK REQ
Gross Effluent Value	REQUIREMENT	******		*****	41.11.11	*******	XAM RTRO	RATIO		PEF	TIMI	
DRILL CUTTINGS,	SAMPLE	******	*******	*****	*******	******	NODI=C	(9A)		l		
FORMATION OIL 51118 P 0 0	MEASUREMENT PERMIT			4				PASS=0			ΞE	CK REQ.
See Comments Below	REQUIREMENT	******	******	*****	32001512	********	ORTH MAX	FAIL=1			RMIT	CREECE
NAME/TITLE PRINCIPAL EX				CAMPAGENERS CONTRACTOR	chments were prepared	Charles and the second of the second of the second		105-1	\		HONE	DATE
TANKET TITLE T THE TOTAL EX	LOOTIVE OFFICER				that qualified personne		1/100	<b>K</b> / ,	-			2
G. J. Chiasson					person or persons who n					985-773-7	157	01/24/2014
Gulf of Mexico East Operations M	anager				, the information submitte							
		knowledge and belief,	, true, accurate, and co	mplete. I am a	aware that there are sig	mificant penalties for	SIGNATURE OF PR				NUMBER	
TYPED OR PR					imprisonment for knowing	violations.	OFFICER OF AU	THORIZED AGENT		CODE		MO DAY YEAR
COMMENTS AND EXPLANATION			REFERENCE ALL ATTACH									
P=GC/MS, Q=RPE, R=OLEFINS,	S=ESTERS. FOR LC50	), REPORT LOWEST M	ONTHLY AVG. R&S: PER	RCENT≐G. NAF	/100 G. WET CUTTINGS	. If no discharge, ente	r NODI=C for Quantity and	Concentration or ch	eck box a	t top right. I	f reporting	not required this

my/4/14

GEG46 0559

PERMIT COVERAGE

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

100 Northpark Blvd.

	Covington, LA 704	433						NUMBER		L				_	
FACILITY	Mobile 872 "A"									DRING	PERIOD				
							MO	DAY	YEAR		· MO	DAY	YEAR		•
LOCATION .	Mobile 872					FROM	10	01	13	TO	12	31	13	NO DI	SCHARGE 🗆
															,
		<b>ા</b>	JANTITY OR LOADING			QUALITY OR CO	ONCENT	RATION				NO.	3	UENCY	SAMPLE
PARAMETER				T 100-0		1 1157105	<del></del>	* * * * * * * * * * * * * * * * * * * *			I LUTTO	EXC.	OF A	VALYSIS	TYPE
		AVERAGE	MAXIMUM	UNITS	MUMIMIM	AVERAGE	<b> </b>	MAXIMUM			NITS				
DRILL CUTTINGS,	SAMPLE	******	*******	*****	*******	********	1 1	NODI=	C I		(9A)	1	1		1
FORMATION OIL	MEASUREMENT			4					7						
51118 Q 0 0	PERMIT	******	*******	*****	*******	4*****		WKLY MAX			ASS=0			VCE/	GRAB
See Comments Below	REQUIREMENT							AAVET INV	^		AIL=1		40	EEK	
DRILL CUTTINGS	SAMPLE	*****	*******	*****	******	NODI=C		******			(23)				
BASE FLUIDS RETAINED	MEASUREMENT PERMIT			-		5.9	-					400000000000000000000000000000000000000		EE	GRAB
51120 R 0 0 See Comments Below	REQUIREMENT	******	*******	*****	*******	ORTA AVG				DE	RCENT			RMIT	GrAD
DRILL CUTTINGS	SAMPLE							-			(23)		F.C.	L/Mil I	
BASE FLUIDS RETAINED	MEASUREMENT	*****	*******	*****		NODI=C					(23)	1			· ·
51120 S 0 0	PERMIT			-		9.4	-							FF	GRAB
See Comments Below	REQUIREMENT	******	*******	*****	*******	QRTR AVG				PE	RCENT		or (1990)	RMIT	Gira.
CADMIUM (CD), IN	SAMPLE					GELLICANO					(69)			1.00013	
BARITE, DRY WEIGHT	MEASUREMENT	*******			******	******		NODI=0	C	-	(00)		1		
78244 1 0 0	PERMIT			+				3.0					-	EE	CK REQ
Effluent Gross Value	REQUIREMENT	*******	*****	*****	******	******		ORTH MAX	x	M	G/KG	100		RMIT	J
MERCURY (HG), IN	SAMPLE							*************************		~~~	(69)				-
BARITE, DRY WEIGHT	MEASUREMENT	*******	******	*****	*******	******		NODI=0	ן. כו		(00)	1			
78245 1 0 0	PERMIT							1.0						EE	CK REQ
Effluent Gross value	REQUIREMENT	*******	******	*****	*******	*******		QRTR MAX	x l	м	G/KG		PE	AMIT	
DRILL CUTTINGS.	SAMPLE										(1M)				
FREE OIL	MEASUREMENT	******	******	*****	*******	*******	1	NODI=(	ا ا			1			l
82595 1 0 0	PERMIT							0					01	¥CE/	VISUAL
Effluent Gross Value	REQUIREMENT	*******		******	******	*******		OTH TOTA	L	#	DAYS		W	EEK	
DRILL CUTTINGS,	SAMPLE	NODI=C	NODI=C	(1N)											
VOLUME	MEASUREMENT				******	*******		*******		•	****				
82596 1 0 0	PERMIT	REPORT	REPORT										01	VÇE/	ESTIMA
Effluent Gross Value	REQUIREMENT	QRTR AVG	MO TOTAL	BBL	*******	*******		*******			*****		MC	NTH	
NAME/TITLE PRINCIPAL EX	ECUTIVE OFFICER	I certify under penals	ty of law that this docum	nent and all atta	chments were prepare	d under my direction or		71					TELE	PHONE	DATE
			dance with a system des					///	20	1		•			
G. J. Chiasson			ion submitted. Based on r					/ (/	/	· .		•	985-773-7	157	01/24/2014
Gulf of Mexico East Operations N	fanager		y responsible for gatherin					<u> </u>							
			ef, true, accurate, and c					IGNATURE						NUMBER	,
TYPED OR PR			nation, including the poss		imprisonment for know	ing violations.	1/	OFFICER/	OR AUTH	ORIZE	D AGENT	Ţ	CODE	<u> </u>	MO DAY YEAR
COMMENTS AND EXPLANATIO			REFERENCE ALL ATTAC		•			1/							
P=GC/MS, Q=RPE, R=OLEFINS,	S=ESTERS. FOR LC50	D, REPORT LOWEST !	MONTHLY AVG. R&S: PE	ERCENT=G. NAF	1/100 G. WET CUTTING	<ol><li>If no discharge, ente</li></ol>	er NODI=(	C <del>for Q</del> uanti	ity and Co	ncentra	ation or ch	eck box a	it top right.	If reporting	not required this

period, enter NODI=9. If parameter not detected, enter NODI=B.

DRILL CUTTINGS

NAF

003 1

DISCHARGE NUMBER

NAME

FACILITY

. LOCATION '

#### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

PRODUCED WATER

Union Oil Company of California (Subsidiary of Chevron Corporation) GEG46 0559 004 1 100 Northpark Blvd. PERMIT COVERAGE DISCHARGE NUMBER Covington, LA 70433 Mobile 872 "A" NUMBER MONITORING PERIOD DAY YEAR MO DAY YEAR NO DISCHARGE □ Mobile 872 10 01 13 31 13 FROM 12

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M2/10/14

GEG46 0559

### PERMITTEE NAME/ADDRESS Include Name/Location if different

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

	100 Northpark Blv	rd.				_	PERMIT C	COVERAGE		DISC	HARGE N	UMBER			
	Covington, LA 704	433					NUN	MBER							
FACILITY	Mobile 872 "A"					_		MONIT	TORING	PERIOD			]		
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DECK DRAINAGE

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PERMIT COVERAGE:

### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

100 Northpark Blvd.

•	Covington, LA 704	433				_	NUMBER					_	
FACILITY	Mobile 872 "A"					_	١	ONITORIN	IG PERIOD				
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G. J. Chiasson Gulf of Mexico East Operations Ma	nager		responsible for gathering					ארא א	A	-	363-173-1	137	01/24/2014
Gui of Mexico Last Operations Ma	a layer		f, true, accurate, and cor				SIGNATURE	PRINCIPA	L EXECUTI	VE	AREA	NUMBER	1
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DISCHARGE NUMBER

SANITARY WASTE

#### PERMITTEE NAME/ADDRESS Include Name/Location if different

EPA FORM 3320-1 FACSIMILE Rev. 4.2

NAME

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)**

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### PERMITTEE NAME/ADDRESS Include Name/Location if different

NAME

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Union Oil Company of California (Subsidiary of Chevron Corporation)

	100 Northpark Blv	rd.	_	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					HARGE N	ARGE NUMBER					
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REFERENCE ALL ATTACHMENTS HERE:

If no discharge, enter NODI=C for Quantity and Concentration or check box at top right. If reporting not required this period, enter NODI=9. If parameter not detected, enter NODI=B.

### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

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	Covington, LA 70433	<u> </u>		NUMBER	R					•	
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Gulf of Mexico East Operations Ma	nager	those persons directly	y responsible for gathering	g the information,	, the information submitt	ed is, to the best of my	<u> </u>	/ <u></u>		-	
		knowledge and belie	ef, true, accurate, and co	omplete. I am a	aware that there are si	ignificant penalties for	SIGNATURE OF PRIN	ICIPAL EXECUTI	VE	AREA NUMBER	1
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### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

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SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

Union Oil Company of California (Subsidiary of Chevron Corporation) GEG46 0559 011 1 NAME PERMIT COVERAGE 100 Northpark Blvd. DISCHARGE NUMBER NUMBER Covington, LA 70433 Mobile 872 "A" MONITORING PERIOD **FACILITY** MO YEAR MO YEAR DAY DAY NO DISCHARGE □ LOCATION Mobile 872 FROM 10 01 13 TO 12 31 13 QUANTITY OR LOADING QUALITY OR CONCENTRATION NO. FREQUENCY SAMPLE EXC. OF ANALYSIS PARAMETER TYPE AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS SAMPLE Cooling Water NODI=C \*\*\*\*\* \*\*\*\*\*\*\*\* MEASUREMENT Baseline Study 85869 P 0 0 PERMIT 0. 0=YES CK REQ \*\*\*\*\*\* REQUIREMENT MAXIMUM 1=NO Effluent Gross Value SAMPLE Cooling Water (9P) NODI=C \*\*\*\*\*\*\* ...... \*\*\*\*\*\* \*\*\*\*\*\* .... Baseline Study MEASUREMENT 85869 Q 0 0 PERMIT 0=YES CK REO REQUIREMENT \*\*\*\*\* MAXIMUM PERMIT Effluent Gross Value 1=NO BMP Plan SAMPLE (9P) NODI=9 ...... \*\*\*\*\* Certification Submittal? MEASUREMENT CK REQ 85873 1 0 0 PERMIT 0=YES SEE REQUIREMENT MAXIMUM Effluent Gross Value 1=NO PERMIT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TELEPHONE I certify under penalty of law that this document and all attachments were prepared under my direction or DATE supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or 985-773-7157 01/24/2014 G. J. Chiasson Gulf of Mexico East Operations Manager those persons directly responsible for gathering the information, the information submitted is, to the best of my

If no discharge, check "No Discharge" box at top right. If reporting not required this period, enter NODI=9 in all applicable reporting spaces. If parameter not detected, enter NODI=8. \*\* Industry-wide study. Q=Individual study.

knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for

submitting false information, including the possibility of fine and imprisonment for knowing violations.

REFERENCE ALL ATTACHMENTS HERE

TYPED OR PRINTED

COMMENTS AND EXPLANATION OF ANY VIOLATIONS

MO DAY YEAR

AREA NUMBER

CODE

REPORTS



January 21, 2014

Unocal 100 Northpark Blvd. Room N4151 Covington, LA 70433 Attn: Raj Kunjappy

Dear Mr. Kunjappy,

On December 31, 2013 we initiated Whole Effluent Toxicity tests with your Chemically Treated Seawater (CTS) from Mobile 916 A, but the sample was tested according to the EPA Region VI general permit (acute tests), instead of EPA Region IV general permit (chronic tests) in error. The tests were completed using the wrong critical dilution, 11.2% CTS, instead of 0.29% CTS and the wrong test duration, 48 hours instead of 7 days. The acute tests (T-799-13) did fine and had no effect up to 44.8% CTS, > 100X the chronic critical dilution. The tests clearly showed no toxicity within 48 hours but are invalid because the critical dilution and test duration were incorrect.

The formal report was completed for the incorrect tests. I apologize for our error and our files have been corrected to ensure the error will not be repeated. There will be no charge for these tests.

Please call me if you have any questions or concerns.

Sincerely,

Veronica McNew

Effluent Testing Supervisor

office: 985 646-2787 vmcnew@eeusa.com





### **Chemically Treated Seawater Biomonitoring Report** Menidia beryllina & Mysidopsis bahia

prepared for Unocal

Client Contact: Jim Floyd

### Mobile 916 A. EE USA Project No.: T-799-13

Grab Sample Collected: December 31, 2013 at 0900 Pipe Diameter: 2" Discharge Rate: 9,600 bbl/day Depth: <200 m Critical Dilution: 0.29% Chemically Treated Seawater (CTS)

INLANDSILVERSIDE (Menidia beryllina) 48 HOUR SURVIVAL TEST, EPA-821-R-02-012: METHOD 2006

This test was initiated December 31, 2013 at 1443

M. beryllina

SURVIVAL NOEC / LOEC = 44.80% / >44.80% CTS

LPC % CV = 0.0

MYSID (Mysidopsis bahia) 48 HOUR SURVIVAL TEST, EPA-821-R-02-012: METHOD 2007 This test was initiated December 31, 2013 at 1458

M. bahia

SURVIVAL NOEC / LOEC = 44.80% / >44.80% CTS LPC % CV = 0.0

Report Date: January 9, 2014

### **ENVIRONMENTAL ENTERPRISES USA, INC.**

58485 PEARL ACRES ROAD, SUITE D SLIDELL, LOUISIANA 70461 (800) 966-2788

This report contains six pages plus five appendices, A - E. This report must not be reproduced in part, only in whole. The results and conclusions presented in this report apply only to the sample(s) tested. All results included in this report are from a valid test.

Veronica McNew

Effluents Testing Supervisor

Mark A. Ö'Neil

QC/QA Supervisor

David L. Daniel

Laboratory Director

Mobile 916 A

T-799-13

EPA Region 4 discharge. 7-day chronic tests should have been completed using a lower critical dilution. 1 of 6

# Menidia beryllina ACUTE, STATIC-RENEWAL 48-HOUR DEFINITIVE TEST, EPA-821-R-02-012: SECTION 9, Method 2006

#### **TEST OVERVIEW**

A 48-hour static-renewal toxicity test was conducted by Environmental Enterprises USA, Inc. (EE USA) to determine toxicity of Chemically Treated Seawater (CTS) from Mobile 916 A to *Menidia beryllina* larvae. Methods, materials, and results are presented in this document. Test organisms were cultured at EE USA and were 13-days-old when this test was initiated. Synthetic seawater was used as the performance control solution and diluent in this test. Five replicates of the performance control solution and five CTS concentrations were prepared initially and renewed daily. CTS concentrations tested were 2.80, 5.60, 11.20, 22.40, and 44.80%. This test was initiated December 31, 2013, at 1443 and completed January 2, 2014, at 1400. This discharge is located in EPA Region 4 and should have been tested as a 7-day test with 0.29% CTS critical dilution.

#### **MATERIALS AND METHODS**

Materials and methods for the work performed are stated in EPA-821-R-02-012: Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. Actual materials and methods are detailed below. This test was performed with strict adherence to the requirements of Method 2006 and/or the Eastern Gulf of Mexico OCS General Permit with the following exceptions:

1) A 48-hr toxicity acute test using Method 2006 was completed with a critical dilution of 11.2% from the EPA Region 6 GMG290000 permit instead of completing a 7-day chronic test using Method 1006 with a critical dilution of 0.29% from the EPA Region 4 GEG460000 permit.

The recommendations and suggestions made elsewhere in EPA-821-R-02-012 were incorporated whenever applicable to optimize the experimental design. Dilution water was prepared with hw-MARINEMIX + Bio-elements and Crystal Sea Marinemix Bioassay Laboratory Formula sea salts (80:20) and deionized water and adjusted to 25 parts per thousand (ppt) salinity.

M. beryllina was cultured and maintained at 24±1°C and 25 ppt salinity. Several clutches from different females comprised the embryo pool from which test organism population hatched. Prior to test initiation, test organisms were fed 200 - 500 ul of a standardized suspension of less than 24-hour-old Artemia nauplii twice daily by replicate. The standard suspension is equal to 0.05 grams wet weight strained nauplii per ml synthetic seawater. One day prior to test initiation, eight inland silverside minnows were transferred randomly into 30 test chambers with 200 ml synthetic seawater. These test chambers were then placed in the environmental chamber.

Sensitivity of test organisms to a known toxicant was determined by performing a 48-hr Standard Reference Toxicant (SRT) test, MN1312-48, with potassium chloride (GFS Chemicals, Lot C256341). The SRT test was initiated on December 10, 2013, with 13-day old *M. beryllina*. The SRT data were used to calculate the 48-hr LC50. Appendix E contains *M. beryllina* SRT control charts.

SURVIVAL

48-hour LC50:

1572 mg/l

Upper and Lower 95% Confidence Interval:

1506 to 1641 mg/l

The sample used in this test was collected December 31, 2013 at Mobile 916 A and delivered to EE USA on December 31, 2013 (Appendix D). This sample was stored at 0.1 to 6°C and used to prepare the initial and subsequent renewal test solutions. Test chambers were labeled with test concentration,

Mobile 916 A

T-799-13

EPA Region 4 discharge. 7-day chronic tests should have been completed using a lower critical dilution.

NELAP Certificate No.: 02027

replicate identification, and **EE USA's** project number. Six treatments, five CTS concentrations and a laboratory performance control, were prepared and pH was measured in the undiluted CTS sample daily (Appendix A, page 1).

Each treatment was poured into a new acid-washed 1-gallon plastic container and placed in an environmental chamber to warm up to test temperature. After the test solutions reached test temperature, initial water quality parameters (temperature, dissolved oxygen, and salinity) were measured. Alkalinity, salinity, and pH were measured in the performance control December 31, 2013 and January 1, 2014, and in the undiluted CTS sample December 31, 2014 (Appendix A, page 1 and Appendix D). At the end of each 24-hour exposure period, just prior to renewal, the ending DO, temperature, salinity, and pH in each treatment was recorded (Appendix A, page 3).

On Day 0, the preloaded replicate test chambers were removed from the environmental chamber and carefully examined. Dead or injured larvae were replaced with organisms from the same batch and this test was initiated by renewal: 90% of the treatment solution, excess food, and debris were poured or siphoned out of each replicate. Aliquots of freshly prepared treatments were poured gently into each replicate as appropriate and then this test was placed in the environmental chamber. Surviving test organisms were disturbed as little as possible during renewal. On Day 1, the test was renewed. Every 24 hours, survival was recorded (Appendix A, page 2). After 48 hours, the final survival data were recorded and this test was terminated.

#### Summary of Experimental Conditions

Test Organisms: 13-day-old *Menidia beryllina* larvae Dilution Water: Synthetic seawater, 25 ppt Salinity

Temperature: 25+1°C

Photoperiod: 16 hours light; 8 hours dark

Test Chambers: Disposable Plastic Cups, 9cm in diameter. Total Volume = 480 ml.

Test Solution Volume: 200 ml

Aeration: No

Test Solution Renewal: Yes

#### **RESULTS AND CONCLUSION**

The response used in statistical analysis of survival data was the proportion of surviving test organisms per replicate. These proportions were transformed by the Arc Sine Square Root Transformation and then tested for normal distribution and homogeneity of variance using Shapiro-Wilk's and Bartlett's tests, respectively. Survival data were not normally distributed and were further evaluated by the nonparametric alternative, Steel's Many-One Rank Test. The No Observed Effect Concentration (NOEC) for impaired *M. beryllina* survival was 44.80% CTS. The Lowest Observed Effect Concentration (LOEC) was >44.80% CTS (Appendix B, page 1). Dunnett's test was used to determine the minimum statistically significant percent difference (MSDp) between survival in the control and survival at any CTS concentration tested. For this *M. beryllina* survival data set, the MSDp was 3.0% (Appendix B, page 1).

Survival of *M. beryllina* larvae exposed to CTS from Mobile 916 A was not reduced significantly at any concentration tested (LOEC >44.80% CTS). Survival data summary statistics are presented in Appendix B. Survival in the concurrent laboratory performance control was 100.0%.

Mobile 916 A T-799-13

# Mysidopsis bahia ACUTE, STATIC-RENEWAL 48-HOUR DEFINITIVE TEST, EPA-821-R-02-012: SECTION 9, Method 2007

#### **TEST OVERVIEW**

A 48-hour static-renewal toxicity test was conducted by **EE USA** to determine toxicity of Chemically Treated Seawater (CTS) from Mobile 916 A to *Mysidopsis bahia* juveniles. Methods, materials, and results are presented in this document. Test organisms were cultured at **EE USA** and were 5-days-old when this test was initiated. Synthetic seawater was used as the performance control solution and diluent in this test. Five replicates of the performance control solution and five CTS concentrations were prepared initially and renewed daily. CTS concentrations tested were 2.80, 5.60, 11.20, 22.40, and 44.80%. This test was initiated December 31, 2013, at 1458 and completed January 2, 2014, at 1405. This discharge is located in EPA Region 4 and should have been tested as a 7-day test with 0.29% CTS critical dilution.

### **MATERIALS AND METHODS**

Materials and methods for the work performed are stated in EPA-821-R-02-012: Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. Actual materials and methods are detailed below. This test was performed with strict adherence to the requirements of Method 2007 and/or the Eastern Gulf of Mexico OCS General Permit with the following exception:

1) A 48-hr toxicity acute test using Method 2007 was completed with a critical dilution of 11.2% from the EPA Region 6 GMG290000 permit instead of completing a 7-day chronic test using Method 1007 with a critical dilution of 0.29% from the EPA Region 4 GEG460000 permit.

The recommendations and suggestions made elsewhere in EPA-821-R-02-012 were incorporated whenever applicable to optimize the experimental design. Dilution water was prepared with hw-MARINEMIX + Bio-elements and Crystal Sea Marinemix Bioassay Laboratory Formula sea salts (80:20) and deionized water and adjusted to 25 parts per thousand (ppt) salinity.

M. bahia was cultured and maintained at 24±1°C and 25 ppt salinity. Four days before initiating this test, approximately 500, 12- to 24-hour-old mysids were collected from breeding cultures, moved to a holding system, and acclimated to 25±1°C. Test organisms were fed 200 ul of a standardized suspension of less than 24-hour-old Artemia nauplii twice daily by replicate. The standard suspension is equal to 0.05 grams wet weight strained nauplii per ml synthetic seawater.

Sensitivity of test organisms to a known toxicant was determined by performing a 48-hr Standard Reference Toxicant (SRT) test, MB1312-48, with potassium chloride (GFS Chemicals, Lot C256341). The SRT test was initiated on December 10, 2013, with 5-day old *M. bahia*. The SRT data were used to calculate the 48-hr LC50. Appendix E contains *M. bahia* SRT control charts.

SURVIVAL

48-hr LC50:

759 ma/l

Upper and Lower 95% Confidence Interval:

703 to 819 mg/l

The sample used in this test was collected December 31, 2013 at Mobile 916 A and delivered to EE USA on December 31, 2013 (Appendix D). This sample was stored at 0.1 to 6°C and used to prepare the initial and subsequent renewal test solutions. Test chambers were labeled with test concentration, replicate identification, and EE USA's project number. Six treatments, five CTS concentrations and a

Mobile 916 A

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EPA Region 4 discharge. 7-day chronic tests should have been completed using a lower critical dilution.

NELAP Certificate No.: 02027

laboratory performance control, were prepared and pH was measured in the undiluted CTS sample daily (Appendix A. page 1).

Each treatment was poured into a new acid-washed 1-gallon plastic container and placed in an environmental chamber to warm up to test temperature. After the test solutions reached test temperature, initial water quality parameters (temperature, dissolved oxygen, and salinity) were measured. Alkalinity, salinity, and pH were measured in the performance control December 31 and January 1, and in the undiluted CTS sample December 31, 2014 (Appendix A, page 1 and Appendix D). At the end of each 24-hour exposure period, just prior to renewal, the ending DO, temperature, salinity, and pH in each treatment was recorded (Appendix A. page 5).

On Day 0, the treatments were poured into their respective test chambers, eight M. bahia juveniles were distributed randomly to each, and then this test was placed in the environmental chamber. On Day 1, the test was renewed: 90% of the treatment solution, excess food, and debris were poured or siphoned out of each replicate. Aliquots of freshly prepared treatments were poured gently into each replicate as appropriate. Surviving test organisms were disturbed as little as possible during renewal. Every 24 hours, survival was recorded (Appendix A, page 4). After 48 hours, the final survival data were recorded and this test was terminated.

#### Summary of Experimental Conditions

Test Organisms:

5-day-old Mysidopsis bahia juveniles Synthetic seawater, 25 ppt Salinity

Dilution Water: Temperature:

25+1°C

Photoperiod:

16 hours light: 8 hours dark

Test Chambers:

Disposable Plastic Cups, 9cm in diameter. Total Volume = 480 ml.

Test Solution Volume: 200 ml

Aeration: No.

Test Solution Renewal: Yes

#### **RESULTS AND CONCLUSION**

The response used in statistical analysis of survival data was the proportion of surviving test organisms per replicate. After 48 hours of exposure, 100.0% survival was noted in every CTS concentration tested. The NOEC for impaired M. bahia survival was 44.80% CTS, the highest concentration tested. The LOEC was >44.80% CTS (Appendix B, page 1). The MSDp between survival in the control and survival in any CTS concentration tested, for this M. beryllina survival data set, could not be calculated.

Survival of M. bahia juveniles exposed to CTS from Mobile 916 A was not reduced significantly at any concentration tested (LOEC >44.80% CTS). Survival data summary statistics are presented in Appendix C. Survival in the concurrent laboratory performance control was 100.0%.

Mobile 916 A T-799-13

#### **REFERENCES**

EE USA, June 2012. Quality Assurance Plan. EE USA, Slidell, LA 70461.

EE USA. December 2012. Standard Operating Procedures. EE USA, Slidell, LA 70461.

NELAC Institute. TNI Standard, Environmental Laboratory Sector, adopted September 8, 2009. <u>Management and Technical Requirements for Laboratories Performing Environmental Analysis</u>. Volume 1. EL-V1-2009-ISO. Weatherford, TX 76086.

Tidepool Scientific Software. 2007. ToxCalc™ Toxicity Data Analysis Software. Version 5.0.32. McKinleyville, CA.

- U.S. Environmental Protection Agency. October 2002. <u>Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms</u>. EPA-821-R-02-012. 5<sup>th</sup> Edition. Office of Water (4303T). Washington, DC 20460.
- U.S. Environmental Protection Agency. July 2000. <u>Method Guidance and Recommendations for Whole Effluent Toxicity (WET) Testing (40 CFR Part 136)</u>. EPA 821-B-00-004. Office of Water (4303). Washington, DC 20460.

Environmental Enterprises USA, Inc.

## APPENDIX A

### <del>S. A. Inc</del>. – Mobile 916 A

100 Northpark Blvd., Room N4158A, Covington, LA 70433

Jim Floyd

Critical Dilution:

date of 10 19 9,600 bbl/day, 2" pipe, < 200 m

Test Concentrations, % Chemically Treated Seawater (CTS)

		<u> </u>								
Menidia	Mysidopsis	Total Volume/	Color	ml	ml					
beryllina	bahia	Concentration, ml	Code	CTS	DH₂O					
44.80%		2000.00	Black	896.00	1104.00					
22.40%		11	Red	448.00	1552.00					
11.20%	,	11	Yellow	224.00	1776.00					
5.60%		u ,	Green	112.00	1888.00					
2.80%		TI .	Blue	56.00	1944.00					
0.00%	LPC_	0.00	2000.00							
	Total Volume (ml) of CTS needed per day= 1736.00									
	Total Volume (ml) of CTS needed for test duration=, 3472.00									

Data Pages & Calculations by: \\\\ \lambda \tau \lambda \lambd

QA/QC Check by:

M. beryllina = 5 Reps x 200 ml  $= 1000 \, \text{ml}$ 

M. bahia = 5 Reps.x 200 ml  $= 1000 \, \text{ml}$ 

DH<sub>2</sub>O = Dilution Water = Synthetic Seawater, 25 ppt

		M		М		M	
	LPC	#	LPC	#	CTS #1	#	
Date	12/31	1	01/01		12/31	1	
Alkalinity	198	//	104	//	150	//	
Salinity	249	18	8.46	iB	34.0	13	
рН	8,0	N	0.8	N3	J.1	N.	
	一人人	1	Mik	2	Mr		

Artemia Lot# 042012-2 Initial

LPC: Laboratory Performance Control, synthetic seawater Alkalinity: mg/l as CaCO<sub>3</sub> Salinity: ppt pH; su M#; meter number

Prep Date	12/31	200	01/01	
DH <sub>2</sub> O Lot #	25R- 3(0)	-13	25R-363	3ذ-
Sample #	1		1	
pН	7.1		810	
M #	N3		N3	
Initial	Chis		JA	

peaes-permit # is GARG460000. Test

0.29% critical dilution dipolit VZ

Mobile 916 A (F) GMC290000 X646000

1 of 6 Dwrong data 1-13-14

Inlandsilverside Minnow, *Menidia beryllina*Acute Static-Renewal 48 – Hour Definitive Test
EPA-821-R-02-012: Section 9 Method 2006

(B) Chevron U. S. A. Inc. - Mobile 916 A 11/1 Provide 1.1.160.00

Critica	al Dilution. 11.2	% Later of 12	9,600 bbl/day, 2" pipe , < 200 m	
Test Organisms Age:		_Days Old	Test Organisms Source: FE	<u> </u>
Counted by: Μικων	st Initiation At		on 17/31 /13 QA by: 1/21/14/08/2000	
Loaded by: Nachal			m Lot # Mn-352-13	
Expos	ure Chamber:	16 oz. plastic cu	ps. Feeding: None.	

Survival Data

	Treatment % CTS												
Time	R E P	LPC White	RE P	2.80 Blue	R E P	5.60 Green	R E P	11.20 Yellow	R E P	22.40 Red	R E P	44.80 Black	Initials
0 HR	1	8	6	8	11	8	16	8	21	8	26	8.	12/31/13
UNK	2	8	7	8	12	8	17	8	22	8	27	. 8	12/31/13
	3	8	8	8	13	8	18	8	23	8	28	8 -	
	4	8	9	8	14	8	19	8	24	8	29	8	
1443	5	8	10	8	15	8	20	8	25	8	30	8	WE
24 HR	1	7	6	P,	11	8	16	1	21	J	26	8	01/01/14
24 AK	2	7	7	P	12		17	7	22	8	27	8	01/01/14
	3	À	8	8	13	8	18	8	23	P	28	P	
0010	4	8	9	8	14	}	19	8	24	8	29	J	
0936	5	8	.10	P	15	8	20	8	25	8	30	8	MR
48 HR	1	8	6	8	11	8	16	8	21		26	$ \nabla $	01/02/14
40 (11)	2	8	7	8	.12	8	17	8	22	8	27		01/02/14
	3	8	8	8	13	8	18	8	23	8	28	8	
	4	8	9		14	8	19	8	24	8	29	8	,
1460	5	8	10	8	15	8	20	8	25	8	30	8	ME
% Survi	val	100	10	00 .		100		100	2	<del>28</del> 975		97.5	
L				<del>-</del>			,	/	' w	magdate	91/2		<u> </u>

Data Entry by:	Veronies Into Ven	
Data Littly by	and where the ten	_
Double Data Entry	1: 1 Leronica m/r. New	 0
QA/QC Officer: _	Man A. O'Nul	
•		

Mobile 916 A (I) GMG290000 06440000 Dwong data 1-13-14 TK

T-799-13 NOEC/LOEC

2 of 6

M. beryllina Water Quality Data

All Treatments: Temp., 23.5 to 26.4°C: Initial & Final Dissolved Oxygen (DO): 4.0 to 7.5 mg/l.

LPC: Initial Salinity, 24.5 to 25.4 ppt. I: initial water quality. F: final water quality.

0 HR		***************************************	Tre	atment %	6 CTS			Comments
1: 2/31/13	LPC	2.80	5.60	11,20	22.40	44.80	Meter#	Comments
DO I	7.0	7.4	7.5	7.5	7.5	75	57	
Termp I	<u>گ</u> ار. 0	<u> </u>				24.1	B	
Sal nity I		254		20.2		29. f		
		tials: NV		-   a U. x	Time	1439		
24 UD	<u> </u>		Tro	eatment %	4 CTS			
24 HR	100	7 000		<del>-,</del>		44.00	NA stand	Comments
0-1/01/14 DO F	, LPC	2.80	5.60	11.20	22.40	44.80	Meter#	
	<u>164</u>	<u>  6.4</u>	16.4	ط عا	<u> </u>	6.3	37	
Tenn⊃p F	<u>d</u>	25.6	1950	25.3	255	256	10	
Salinity F	25.2	255	258	26.6	35	29.6	NO	
pH F	79	79	7.9	8.0	7.9	7.9	N3	-
	Tech Ini	tials: 🖰	Cour	) ·	Time	: ७१५०		
	П		<u> </u>	<u> </u>				-
24 HR			Trea	atment %	CTS		•	
01/01/14	LPC	2.80	5.60	11.20	22.40	44.80	Meter#	Comments
DO I	7.1	7.(	7.2	7.1	7.1	7.1	<b>S</b> 7	-
Temp I	258	25.9	_	1		25.4	1B	
Salinity I	218	25.0			36.8	29.3		
	<u>ו מיורית</u> ⊂ Tech Ini		<u> 322                                   </u>	god	<u>0,0,0</u> Time		<u>10</u>	
			}					J
48 HR	ı.		Trea	atment %	CTS			
01/02/14	LPC	2.80	5.60	11.20	22.40	44.80	Meter#	Comments Vala
DO F	6.2	(eil	Le5	ماما	le5	65	57	1-2-14 by
Temp F	25.7	25.6	25.6	154.	asle	757	In	,
Salinity F	251	253	256	Doort	27.0	29.3	10	
pH F	\$10	8,0	X.O	\$6.6	Z,O	X'O	N3	
	Tech Ini	tials( ) Le	Chir		Time	-		
•		DO: mg/l	pH: su S	alinity: ppt	Temp: °C		12 111	
. (	Mobile (N) GMG299	<del>000</del>		E		data 1-	1374 TK	T-799-13 NOEC/LOEC
	GERTHICE CONTRACTOR	60 coc		*	3 of 6	•		
	-	_						•

12/31/2013 11:53 AM Inc.

Mysid, Mysidopsis bahia
Acute Static-Renewal 48 – Hour Definitive Test
EPA-821,-R-02-012: Section 9 Method 2007

Chevron U. S. A. Inc. - Mobile 916 A

Critical Dilution: 14.2% detail 9,600 bbl/day, 2" pipe, < 200 m
Test Organisms Age: 5 Days Old Test Organisms Source: EE on 12/31/13
Counted by: Mranda John QC/QA by: Contry Bly
Loaded by: Organism Lot # 1/1/8/078-13
<b>Exposure Chamber</b> : 16 oz. plastic cups. <b>Feeding</b> : 200 μl 2X / day / replicate. <u>Survival Data</u>

						Treat	men	t % CTS					
Time	R E P	LPC White	RE P	2.80 Blue	R E P	5.60 Green	R E P	11.20 Yellow	R E P	22.40 Red	R E P	44.80 Black	Initials
0 HR	1	8	6	8	11	8	16	8	21	8	26	8	12/31/13
01111	2	8	7	8	12	8	17	8	22	8	27	8	
	.3	8	8	8	13	8	18	8	23	8	28	8	
	4	8	9	8	14	8	19	8	24	8	29	8	
1458	5	8	10	8	15	8	20	8	25	8	30	8	CMB
24 HR	1	8:	6	8	11	8	16	A	21	f	26	1	01/01/14
24111	2	8	7	}	12	8	17	8	22	J	27	P	01/01/14
	3	8	8	8	13	8	18	}	23	8	28	8	
	4	8	9	8	14	8	19	8	24	J	29	8	
6055	5	8	10	8	15	8	20	Š	25	8	30	8	MR
48 HR	1	8	6	8	11	8	16	8	21	8	26	8	01/02/14
40711	2	8	7	8	12	8	17	8	22	8	27	8	
	3	8	8	8	13	8	18	8	23	8	28	8	
	4	8	9	8	14	8	19	8	24	8	29	8	—
1405	5	8	10	8	15	8	20	8	25	8	30	8	ME
% Survi	val	100	1	00		100		100		100		001	

Data Entry by: Meranica Mc New ,	<u> </u>
Double Data Entry: Veronica onto Men	10
QA/QC Officer: Mand. O'Klux	

Mobile 916 A GMG290000 BACHLOCOO Durong data 1-13-14 TK

T-799-13 NOEC/LOEC

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M. bahia Water Quality Data
 All Treatments: Temp., 23.5 to 26.4°C. Initial & Final Dissolved Oxygen (DO): 4.0 to 7.5 mg/l.
 LPC: Initial Salinity, 24.5 to 25.4 ppt. I: initial water quality. F: final water quality.

0 HR			Tre	eatment %	6 CTS			0					
1 2/31/13	LPC	2.80	5.60	11.20	22.40	44.80	Meter#	Comments					
DO I	7.0	74	75	7.5	7.5	7.5	m						
Temp!	240	24.3	24.0	23.7	25.7	24.1	18						
Sali nity I	249		25.0	20.2			12						
,	Tech Ini	tials: 🎶 🖊	2		Time	:1439							
.24 HR	,		Tre	eatment %	6 CTS			0					
0 1/01/14	LPC	2.80	5.60	11.20	22.40	44.80	Meter #	Comments					
DO F	10.2	le.c	(le.3	6.3	62	63	97						
Temp F	85.5	JS:3	953	25.2	1250	0.5	in						
Salinity F	853	185	25.7	26.6	3,6		10						
pH F	8.0	79	79	7.9	7.9	79	N3						
,	Tech Ini	tials:	OWE	)	Time	: 674							
24 HR	24 HR Treatment % CTS												
01/01/14	LPC	2.80	5.60	11.20	22.40	44.80	Meter#	Comments					
DO 1			_										
Temp !	7.1	7.1	J.9	7.1	7:1		<u> 57 </u>						
Salinity I	25.8	25.9	255	25.8	35.5	<u>854</u>	112						
Oalii iity	Tech in	25.0	1222	26.1	968	993 :0835	<u> 10                                   </u>						
	10011111	itiais.	$\delta$		11115	<u>دروں .</u>		]					
48 HR			Tre	atment %	CTS			Co					
01/02/14	LPC	2.80	5.60	11.20	22.40	44.80	Meter#	Comments					
DO F	led	leil	16.2	62	26,2	6.2	37						
Temp F	8EC	25:7	857	J3/6	25.6	928	10						
Salinity F	D.J	25.1	927	95.60	97.1	39.5	10						
pH F	8,0	8.0	8.0	8,0	80		N3						
	Tech In	itials:	DH: su	) Salinity: ppt	Time Temp: °C	: 0840		1					
	Malatia	046.4					111 700	TT TO 0 40					

Mobile 916 A GMG290000-

T-799-13 NOEC/LOEC

1110.	Data Damas
1	Data Pages  Company name & contact matches client file.  Area and block matches client file.  Flow data & critical dilution (CD) match client file; and dilution series are correct:
	9(00) bbl/day, 2 " pipe, , 11.2 %(CD)
-	Dilution series: (CD is 3 <sup>rd</sup> dilution in series)  2.8
:	Calculations on mixing page are correct. (sign mixing page) Dates, dilutions, test method, # of replicates, replicate volume, area & block, acceptance limits, data analysis endpoint, and test organisms are correct throughout data pages. Format correct. (spaces for all entries, page numeration, no split pages, etc.)  [12-3]-13  Date
	Chain-of-Custody  Area and block on COC matches sample bottle.  Area and block on COC matches test data pages.  Lab # on COC matches sample bottle.  Lab # on COC matches test data pages.  Sample collection date: 12 / 31 / 13 & Time: 0900 hrs.  expiration date: 01/01/14 & Time: 2100 hrs. (Sample expired if >36
•	Sample volume is sufficient for test duration. (Sample volume in container(s) checked against sample volume on mixing page)  Sample volume available:
	Sample volume needed: 3472.0 ml
	(Sample volume insufficient if sample volume available < sample volume needed)
	NR
Ra	Jugs & Labels  Lab # on jug and labels matches test data pages.  Dilution water type is on jug. (i.e. 25 ppt, 20 ppt, MHSF, etc.)  Dilutions on jugs and labels match dilutions on test data pages.  Jugs are color-coded. (see mixing page for appropriate color code sequence)  Initials  Date  We Data QC/QA by: Medical Do 700 in 100 MH.
	Dille 916 A Dwrong data 1-13-14 TK T-799-13

У <u>Смс290000</u> См6460000 Ф

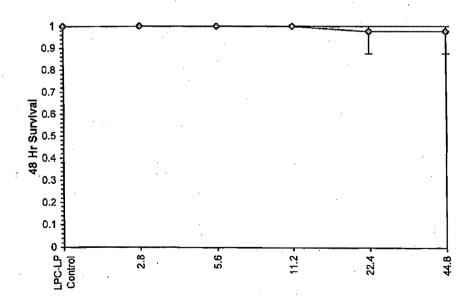
# APPENDIX B

				Acu	te Toxicity To	est-48 Hr Survival	·
Start Date:	12/31/2013	,	Test ID:	mn79913		Sample ID:	GEG460000-NPDES Permit #
End Date:	1/2/2014		Lab ID:	EE-Environ	nmental Enter	rprise Sample Type:	CTS-Chemically Treated Seawater
Sample Date:	12/31/2013		Protocol:	EPAA 02-1	EPA Acute	Test Species:	MB-Menidia beryllina
Comments:		73				·	
Conc-%	1 1	2	3	4	. 5		
PC-LP Control	1.0000	1.0000	1.0000	1.0000	1.0000		,
2.8	1.0000	1.0000	1.0000	1.0000	1.0000		
5.6	1.0000	1.0000	1,0000	1.0000	1.0000		•
11.2	1.0000	1.0000	1.0000	1.0000	1.0000	,	
22.4	0.8750	1.0000	1,0000	1.0000	1.0000	•	
44.8	1.0000	0.8750	1.0000	1.0000	1.0000		

	_	. Tra	ansform:	Arcsin Sc	uare Roof	Rank	1-Tailed		
Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	
1.0000	1.0000	1.3931	1.3931	1.3931	0.000	5			,
1.0000	1.0000	1.3931	1.3931	1.3931	0.000	5	27.50	16.00	
1,0000	1.0000	1.3931	1.3931	1.3931	0.000	5	27.50	16.00	
1.0000	1.0000	1.3931	1.3931	1.3931	0.000	5	27.50	16.00	
0.9750	0.9750	1.3564	1.2094	1.3931	6.055	5	25.00	16.00	
0.9750	0.9750	1.3564	1.2094	1.3931	6.055	5	25.00	16.00	
	1.0000 1.0000 1.0000 1.0000 0.9750	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9750 0.9750	Mean         N-Mean         Mean           1.0000         1.0000         1.3931           1.0000         1.0000         1.3931           1.0000         1.0000         1.3931           1.0000         1.0000         1.3931           0.9750         0.9750         1.3564	Mean         N-Mean         Mean         Min           1.0000         1.0000         1.3931         1.3931           1.0000         1.0000         1.3931         1.3931           1.0000         1.0000         1.3931         1.3931           1.0000         1.0000         1.3931         1.3931           0.9750         0.9750         1.3564         1.2094	Mean         N-Mean         Mean         Min         Max           1.0000         1.0000         1.3931         1.3931         1.3931           1.0000         1.0000         1.3931         1.3931         1.3931           1.0000         1.0000         1.3931         1.3931         1.3931           1.0000         1.0000         1.3931         1.3931         1.3931           0.9750         0.9750         1.3564         1.2094         1.3931	Mean         N-Mean         Mean         Min         Max         CV%           1.0000         1.0000         1.3931         1.3931         1.3931         0.000           1.0000         1.0000         1.3931         1.3931         1.3931         0.000           1.0000         1.0000         1.3931         1.3931         1.3931         0.000           1.0000         1.0000         1.3931         1.3931         1.3931         0.000           0.9750         0.9750         1.3564         1.2094         1.3931         6.055	1.0000     1.0000     1.3931     1.3931     1.3931     0.000     5       1.0000     1.0000     1.3931     1.3931     1.3931     0.000     5       1.0000     1.0000     1.3931     1.3931     1.3931     0.000     5       1.0000     1.0000     1.3931     1.3931     1.3931     0.000     5       0.9750     0.9750     1.3564     1.2094     1.3931     6.055     5	Mean         N-Mean         Mean         Min         Max         CV%         N         Sum           1.0000         1.0000         1.3931         1.3931         0.000         5           1.0000         1.0000         1.3931         1.3931         0.000         5           1.0000         1.0000         1.3931         1.3931         0.000         5         27.50           1.0000         1.0000         1.3931         1.3931         0.000         5         27.50           0.9750         0.9750         1.3564         1.2094         1.3931         6.055         5         25.00	Mean         N-Mean         Mean         Min         Max         CV%         N         Sum         Critical           1.0000         1.0000         1.3931         1.3931         1.3931         0.000         5           1.0000         1.0000         1.3931         1.3931         0.000         5         27.50         16.00           1.0000         1.0000         1.3931         1.3931         0.000         5         27.50         16.00           1.0000         1.0000         1.3931         1.3931         0.000         5         27.50         16.00           0.9750         0.9750         1.3564         1.2094         1.3931         6.055         5         25.00         16.00

Auxiliary Tests			,		Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates non	-normal di	stribution (	p <= 0.0	5)	0.5466	0.927	-2.7369	8.25694
Equality of variance cannot be co	nfirmed			•				•
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU				
Steel's Many-One Rank Test	44.8	>44.8		2.23214				
Treatments vs LPC-LP Control							e	

#### Dose-Response Plot



Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	44.8	>44.8		2.23214	0.02924	0.03018	0.0018	0.00225	0.56062	5, 24
Treatments vs LPC-LP Control										•

## APPENDIX C

	ì			Acu	te Toxicity To	est-48 Hr Survival	
Start Date:	12/31/2013		Test ID:	mb79913		Sample ID:	GMG460000-NPDES Permit #
End Date:	1/2/2014		Lab ID:	EE-Enviro	nmental Enter	rprise Sample Type:	CTS-Chemically Treated Seawater
Sample Date:	12/31/2013		Protocol:	EPAA 02-1	EPA Acute	Test Species:	MY-Mysidopsis bahia
Comments:	4						
Conc-%	. 1	2	3	4	5		
PC-LP Control	1.0000	1.0000	1.0000	1.0000	1.0000		
2.8	1.0000	1.0000	1.0000	1.0000	1.0000		
5.6	1.0000	1.0000	1.0000	1.0000	1.0000	***	•
11.2	1.0000	1,0000	1.0000	1.0000	1.0000	1	
22.4	1.0000	1.0000	1.0000	1.0000	1.0000		
44.8	1,0000	1.0000	1.0000	1.0000	1.0000		

Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N			
PC-LP Control	1.0000	1.0000	1.0000	1.0000	1.0000	0.000	5	*		
2.8	1.0000	1.0000	1.0000	1.0000	1.0000	0.000	5			
5.6	1.0000	1.0000	1.0000	1.0000	1.0000	0.000	5			•
11.2	1.0000	1.0000	1.0000	1.0000	1.0000	0.000	5			*
22.4	1.0000	1.0000	1.0000	1.0000	1.0000	0.000	5			
44.8	1.0000	1.0000	1.0000	1.0000	1.0000	0.000	5	•	•	

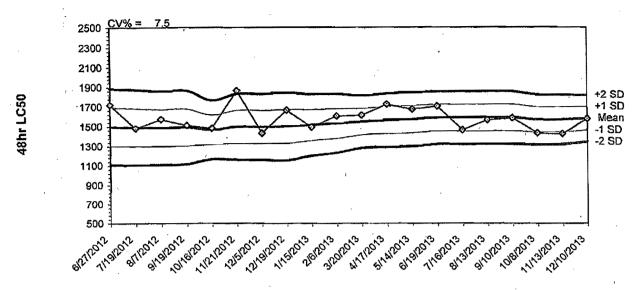
Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test Indicates normal distribution (p > 0.05)	1	0.927		
Equality of variance cannot be confirmed				

## APPENDIX D

Ship to:	Lab Name	e: Environn	nental Enter	prises				- Sales province print	The state of the s				
St	reet Addres	s: <u>58485</u> P	earl Acres F	Rd., Suite D			1		Maria Di		S/R No.:_	1,0869	3-13
City/St	ate/Zip Code	e: Slidell, L	A 70461				<u>. 1</u>	51/	8/14 1		KIT No.:_	0034	_ TO
•	Phone	e: (985) 64	6-2787, Fax	# (985) 646-2810	)				(	76			,
				CHA	IN - OF - (	CUSTOR	Y RECO	RD					
Client:	hevron-US/	A D UNC	CAL	× -	Field Co.	ntact: HE	SC			· 837	Requ	ested Handli	ng
Address: 100 Nort					Pho	one#:	185-7	73.5	861	, [	Standard	Rusi	1
Covingto	on, LA 7043	13			E	Email: /	Arthur	Gus	dry@	Cheros.	omments:		
Project # or Area &	& Block:	MO 9	16 A		V	VBS#							
Analysis: Check for	appropria	ite item or	enter san	nple ID for mult	tiple sampl	es.		•					
Produced Water Toxicity (36-hr hold)	Chemic Seawat (36-hr t	ter (CTS)		Potable Water Nitrate/Nitrite (48-hr hold)	(Na <sub>2</sub> i	ıble Water H₂SO₃ Tab ır hold)	Total Colifo	orm	Other	(describe):			
Collection Po	int	Date Collected	Time Collected	COLLE	CTED BY:		Grab	Cor Type	ntainer #	Lab	ID No.	Comments:	
MO 916 SA Wi	ter Pump'	12/31/15	9:00 A	Print: Lyapey (	o white		X	P		77.70	P9 13		
1) Relinquished By: P	rint: 🔀 🖽	1. /	1114	Date :	Time	2) Rece	ived By:	Print: 17	- 10/	5.41	***	Date	Time ·
Facility/Company:	Sign:	f 10 11	fift.	131/13		Facility	Company:	Sign:	10	12000		12.31-13	12:50
3) Relinquished By: Pr	int:	000	11/4	Date	Time	4) Rece	ived By:	Print	70	720	-, ,	Date	Time .
Facility/Company:	Sign: 1		201	1231-13	1123	1 7.	Company:	*	mond		spins	12/3/1/3	14260
5) Relinquished By: Pr		, 2 , 2 , 2 , 2	(	Date	Time	6) Recei	ved By:	Print:	CAN WIN	(XX)		Date	Time
Facility/Company:	Sign:					Facility/	Company:	Sign:					
7) Relinquished By: Pri				Date	Time	8) Recei	ved By:	Print:				Date	Time
Facility/Company:	Sign:			- 10 to 10 t			Company:	Sign:		***********			
9) Relinquished By: Pri		······································		Date	Time	10) Rece	eived By:	Print:			·····	Date	Time
Facility/Company:	 Sign:		P. H			Facility/	Company:	Sign:				ı	
11) Relinquished By: Pr		·		Date	Time	12) Rece	eived By:	Print:	<del></del>		······································	Date	Time
Facility/Company:	Sign:	V3444444444444444444444444444444444444	in per cult and hand the same and star says, says star star the star			Facility/	Company:	Sign:			# 4444 # # # # # # # # # # # # # # # #		
Lab Use Only					<u> </u>			loigit.					
	Comments:	COncar	<i>LN</i> 0	dar				Legend:				Notes:	
(Y) N	<i>a</i>		,100 (	1 X VV	٠,			P = Plas	tic			Sampler fills out	yellow areas
(Y) N	(A) wed	2/14 RR	L - THIS	LOCATION (	5"0,00 @	ul."				m Thiosulf	ate	Lab fills out gray	areas
Temp. (°C)			·	SAC 34			ow.	`				F	RO-1537-1 (8-12

Lab Name: Environmental Enterprises

## APPENDIX E



**Date of Test** 

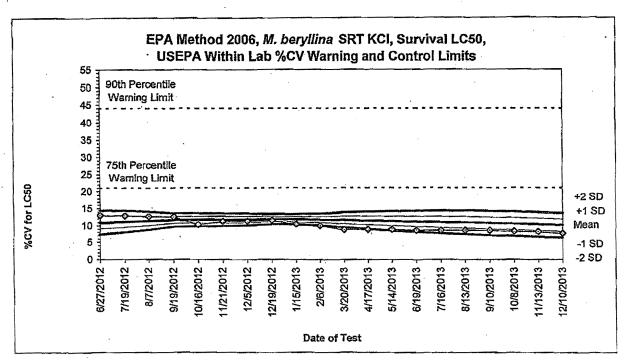
Dilution Series = 480, 686, 980, 1400, 2000 mg/L KCI; Dilution Factor = 0.70

Test#	Test Date	48-hr LC50 mg/L KCl	Cumulative Mean LC50	-1 SD	-2 SD	+1 SD	+2 SD	Control Survival	SRT Lot#
MN1207-48	6/27/2012	1720	1498	1304	1109	1692	1887	97.5	081M0170V
MN1208-48	7/19/2012	1480	1490	1299	1107	1681	1873	100.0	081M0170V
MN1209-48	8/7/2012	1570	1485	1297	1110	1672	1859	100.0	081M0170V
MN1210-48	9/19/2012	1510	1490	1303	1116	1676	1863	100.0	081M0170V
MN1211-48	10/16/2012	1480	1466	1315	1165	1616	1766	100.0	081M0170V
MN1212-48	11/21/2012	1860	1495	1327	1160	1662	1829	100.0	081M0170V
MN1213-48	12/5/2012	1430	1492	1324	1156	1660	1828	100.0	081M0170V
MN1214-48	12/19/2012	1660	1497	1325	1154	1669	1840	100.0	081M0170V
MN1301-48	1/15/2013	1490	1512	1355	1198	1668	1825	95.0	081M0170V
MN1302-48	2/6/2013	1600	1527	1377	1227	1676	1826	100.0	SLBD2389V
MN1303-48	3/20/2013	1610	1546	1412	1279	1679	1812	97.5	081M0170V
MN1304-48	4/17/2013	1720	1560	1424	1288	1696	1832	100.0	SLBD2389V
MN1305-48	5/14/2013	1670	1569	1432	1295	1706	1843	100.0	SLBD2389V
MN1306-48	6/19/2013	1700	1584	1450	1316	1718	1852	100.0	SLBC2414V
MN1307-48	7/16/2013	1460	1584	1450	1316	1718	1852	100.0	SLBC2414V
MN1308-48	8/13/2013	1560	1585	1451	1318	1719	1852	100.0	SLBC2414V
MN1309-13	9/10/2013	1580	1584	1451	1317	1717	1851	100.0	SLBC2414V
MN1310-48	10/8/2013	1430	1566	1438	1311	1693	1820	97.5	SLBC2414V
MN1311-48	11/13/2013	1420	1567	1442	1316	1692	1818	1	C256341
MN1312-48	12/10/2013	1572	1576	1458	1339	1694	. 1813	100.0	C256341

MB1212-48 result is outside ±2SD and the test was reviewed. No errors were found and the test was determined to be valid.

The narrow dilution series and correspondingly narrow control limits are the likely cause for this apparent outlier. Two tests will be completed in December 2012.

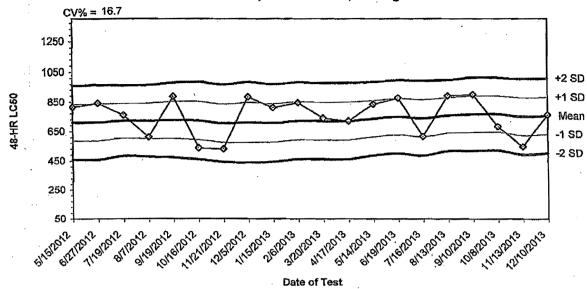
MN1312-48 - Lot# C256341 was used to mix Day 0 and Day 1 was mixed with Lot# SLBD2389V.



7%CV = 10th percentile, 15%0	CV = 25th precentile.	16%CV = 50th percentile
------------------------------	-----------------------	-------------------------

		%CV for Mean 4 CD 4 CD 4 CD 4 CD 4 CD 4 CD 4 CD 4 C							90th	
·	Test Date	LC50	Mean %CV	-1 SD	-2 SD	+1 SD	+2 SD	Warning		SRT Lot#
	0/07/00/0	40.0	40.0		7.0	40.0	44.4	Limit	Limit	0043404703
MN1207-48	6/27/2012	!!!	10.9	9.1	7.3	12.6	14.4			081M0170\
MN1208-48	7/19/2012	12.9	. 11.1	9.5	7.9	12.7	14.3	21.0	44.0	081M0170\
MN1209-48	8/7/2012	12.6	11.4	10.1	8.7	12.8	14.1	21.0	44.0	081M0170\
MN1210-48	9/19/2012	12.5	11.7	10.7	9.7	12.7	13.7	21.0	44.0	081M0170\
MN1211-48	10/16/2012	10.2	11.7	10.7	9.8	12.6	13.6	21.0	44.0	081M0170\
MN1212-48	11/21/2012	11.2	11.7	10.8	9.9	12.6	13.6	21.0	44.0	081M0170\
MN1213-48	12/5/2012	11.3	11.8	10.9	10.0	12.6	13.5	21.0	44.0	081M0170\
MN1214-48	12/19/2012	11.5	11.8	11.1	10.4	12.6	13,3	21.0	44.0	081M0170\
MN1301-48	1/15/2013	10.4	11.8	11.1	10.3	12.6	13.4	21.0	44.0	081M0170\
MN1302-48	2/6/2013	9.8	11.8	10.9	10.0	12,6	13.5	21.0	44.0	SLBD2389
MN1303-48	3/20/2013	8.6	11.6	10.5	9.4	12.7	13.9	21.0	44.0	081M0170
MN1304-48	4/17/2013	8.7	11.4	10.1	8,9	12.7	14.0	21.0	44.0	SLBD2389
MN1305-48	5/14/2013	8.7	11.3	9.9	8.4	12.7	14.2	21.0	44.0	SLBD2389
MN1306-48	6/19/2013	8.4	11.1	9.6	8.0	12.7	14.3	21.0	44.0	SLBC2414
MN1307-48	7/16/2013	8.4	11.0	9,3	7.6	12.6	14.3	21.0	44.0	SLBC2414
MN1308-48	8/13/2013	8.4	10.8	9.1	7.3	12.6	14.3	21.0	44.0	SLBC2414
MN1309-13	9/10/2013	8.4	10.6	8.8	7.0	12.5	14.3	21.0	44.0	SLBC2414
MN1310-48	10/8/2013	8.1	10.4	8.6	6.7	12.3	14.1	21.0	44.0	SLBC2414
MN1311-48	11/13/2013	8.0	10.2	8.4	6.5	12.0	• 13.9	21.0	44.0	C256341
MN1312-48	12/10/2013	7.5	9.9	í	1	1	13.6	21.0	44.0	C256341

#### EPA Method 2007, M. bahia SRT, KCI mg/l

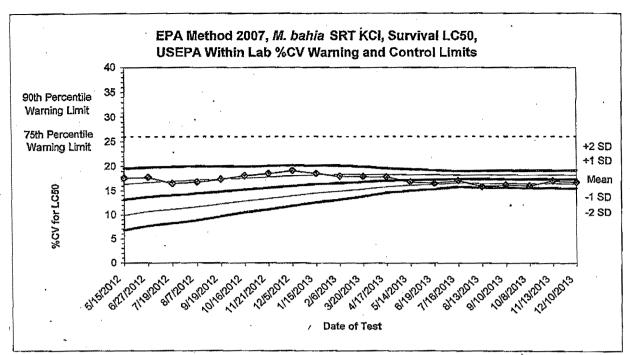


Dilution Series = 150, 250, 416, 694, 1157 mg/L KCi; Dilution Factor = 0.60

Test#	Test Date	48-hr LC50 mg/L KCI	Cumulative Mean LC50	-1 SD	-2 SD	+1 SD	+2 SD	Control Survival	Toxicant Lot#
MB1205-48	5/15/2012	815	710	585	460	835	959		021M0113V
MB1206-48	6/27/2012	841	711	585	458	838	964	100.0	081M0170V
MB1207-48	7/19/2012	759	723	604	485	842	961	100.0	081M0170V
MB1208-48	8/7/2012	611	. 720	. 599	479	841	962	100.0	081M0170V
MB1209-48	9/19/2012	885	726	600	. 474	852	978	100.0	081M0170V
MB1210-48	10/16/2012	538	722	592	461	853	983	100.0	081M0170V
MB1211-48	11/21/2012	531	704	574	443	835	965	100.0	081M0170V
MB1212-48	12/5/2012	882	710	574	438	846	982	97.5	081M0170V
MB1301-48	1/15/2013	809	706	5,75	444	837	968	100.0	081M0170V
MB1302-48	2/6/2013	841	720	590	461	849	979	190.0	SLBD2389V
MB1303-48	3/20/2013	737	717	589	460	846	974	100.0	081M0170V
MB1304-48	4/17/2013	718	719	591	462	847	975	100,0	SLBD2389V
MB1305-48	5/14/2013	830	733	610	486	857	980	100.0	SLBD2389V
MB1306-48	6/19/2013	873	747	623	500	870	993	100.0	SLBC2414V
MB1307-48	7/16/2013	. 613	737	611	485	863	989	100.0	SLBC2414V
MB1308-48	8/13/2013	887	755	635	516	875	994	97.5	SLBC2414V
MB1309-48	9/10/2013	896	764	640	- 517	887	1010	100.0	SLBC2414V
MB1310-48	10/8/2013	<b>`</b> 681	765	643	521	887	1009	100.0	SLBC2414V
MB1311-48	11/13/2013	546	748	620	493	875	1002	97.5	C256341
MB1312-48	12/10/2013	759	753	627	501	878	1004	100.0	C256341

MB1312-48 - Lot# C256341 was used to mix Day 0, and Day 1 was mixed with Lot# SLBD2389V.

QAQC by: 1440 12/18/13



17%CV = 10th percentile.	. 17%CV = 25th :	percentile, 25%	CV = 50th percentile
--------------------------	------------------	-----------------	----------------------

Test#	Test Date	%CV for LC50	Mean %CV	-1 SD	-2 SD	+1 SD	+2 SD	75th Warning Limit	90th Warning Limit	SRT Lot#
MB1205-48	5/15/2012	17.6	13.2	9.9	6.7	16.4	19.6	26.0	26.0	021M0113V
MB1206-48	6/27/2012	17.8	13.7	10.7	7.6	16.7	19.7	26.0	26.0	081M0170V
MB1207-48	7/19/2012	16.5	14.0	11.1	8.2	17.0	19.9	26.0	26.0	D81M0170V
MB1208-48	8/7/2012	16.8	14.4	11.6	8.8	17.2	20.0	26.0	26.0	081M0170V
MB1209-48	9/19/2012	.17.4	14.8	12.3	9,7	17.4	19.9	26.0	26.0	081M0170V
MB1210-48	10/16/2012	18.1	15.2	12.9	10.5	17.6	19.9	26.0	26.0	081M0170V
MB1211-48	11/21/2012	18.5	15.6	13.4	11.1	17.8	20.1	26.0	26,0	081M0170V
MB1212-48	12/5/2012	19.1	16.0	13.9	11.9	18.1	20.2	26.0	26.0	081M0170V
MB1301-48	1/15/2013	18.6	16.4	14.5	12.6	18.2	20.1	26.0	26.0	081M0170V
MB1302-48	2/6/2013	18.0	16.6	14.9	13.1	18.3	20.1	26.0	26.0	SLBD2389V
MB1303-48	. 3/20/2013	17.9	16.9	15.3	13.8	18.4	. 19.9	26,0	26.0	081M0170V
MB1304-48	4/17/2013	17.8	17.1	15.8	14.6	18.4	19.6	26.0	26.0	SLBD2389V
MB1305-48	5/14/2013	16.9	17.2	16.1	15.0	18,3	19.4	26.0	26.0	SLBD2389V
MB1306-48	6/19/2013	16.5	17.3	16.3	15.3	18.3	19.3	26.0	26.0	SLBC2414V
MB1307-48	7/16/2013	17.1	17.4	16.6	15.7	18.2	19.1	26.0	26.0	SLBC2414V
MB1308-48	8/13/2013	15.8	17.4	16.5	15.6	18.2	19.1	26.0	26.0	SLBC2414V
MB1309-48	9/10/2013	16.2	17.4	16.5	15.6	18.2	19.1	26.0	26.0	SLBC2414V
MB1310-48	10/8/2013	16.0	17.4	16.4	15.5	18.3	19.2	26.0	26.0	SLBC2414V
MB1311-48	11/13/2013	17.0	17.3	16,4	15.5	18.2	19.2	26.0	26.0	C256341
MB1312-48	12/10/2013	16.7	17.3	16.4	15.5	18.2	19.1	26.0	26.0	C256341

